

International Abstract of Surgery

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INTERNATIONAL ABSTRACT OF SURGERY

JULY 1914

MONTHLY COLLECTIVE REVIEW

PHYSIOLOGY OF INTERNAL SECRETIONS OF THE OVARY

By CAREY CULBERTSON M, D CERCAGO

In the scope of this review it is proposed to include only the most recent literature, valuable collaborations having been offered on this or closely allied subjects by Bell Mc litry Graves and others within a relatively short time. While harmony and efficiency on the part of the entire endocrinous system is essential to the functional activity of the female genitalia at puberty granted that these organs are normal at birth and it is therefore difficult to consider any part of this system as an entity yet consideration is contemplated at this time only of the internal secretions of the owary with special reference, at that, to the function of the corpus lintern

To-day from a purely physiological point of view the ovary has come to be regarded as hav ing three constituent activities those of the grasfian folicle the corpus luteum and the interstitual cells Regarding the first two nothing need be said in an academic way Of the last, the importance of the interstitual cells has more recently come to be recognized. These are distinguished from the stroma cells by their larger size and rounder outline with oval nuclei. They increase during pregnancy and are probably most marked between infancy and puberty That these cells possess a function is fairly well estab-lished by McIlroy and Limon who found that their presence in grafts was sufficient for main taining uterine nourishment. Also when one ovary is removed and compensatory hyper trophy has occurred in the other the interstitual cells are found to be increased correspondingly both in size and number It is most probable that the secretion from these cells acts independently of the follicles and corpora lutes and is not antag onistic to them Without definite knowledge it is assumed that these cells control the nutrition of the genital organs and breasts during their active development and that it is the loss of their secretion a true hormone, that brings about uterine atrophy after complete cophorectomy According to Bell as far as the general metabolism goes the total ovarian secretion seems to promote the excretion of calcium and the retention of phosphorus but he does not attribute this function to the interstitual cells alone. On the other hand no other investigators refer this feature to either the follicle or corpus luteum. Nevertheless in one of McIlroy's experiments calcium elimination was increased after castration and diminished again after giving corpus luteum extract. The influence of the ovary on sugar metabolism is another point in evidence rather of our lack of Anowledge regarding correlation on the part of the ductless glands Thus Seitz concludes that the thyroid hypophysis, and chromaffin system increase sugar metabolism and that the pancreas, ovary and parathyroids tend to check it In an elaborate series of experiments Stolper regards it as probable that increased sugar assimilation means increased ovarian sufficiency. He found sugar assimilation reduced in castrated animals and in 38 women from whom both ovaries had been removed He admits that the process is very complex results being due in part to the effect on the pancreas and adrenals, glands evidently closely associated with the ovary In partial resection of the pancreas as carried out

on dogs sugar assimilation was decreased and then compensated for to a certain degree only by feeding ovarian substance. When however the overy was removed in addition to pancreatic resection a further reduction in sugar metabol ism was observed Stolper more recently is of the opinion that absence of ovarian function produces the decrease in sugar tolerance by its influence on the pancreas and adrenals. Hence, what is most probable total ovarian insufficiency arouses increased activity on the part of most if not all of the other ductless glands. With our present knowled c this influence is most difficult to measure and the part which the interstatial cells per form in maintaining the balance of power through out the endocrinous system is but problematical.

SECONDARY SEXUAL CHARACTERISTICS

One of the most desirable results of perfect correlation on the part of these ductless glands is the production of the so-called secondary sexual characteristics occurring in both seves at puberty The conviction is rapidly growing that these econdary sex characteristics are due to the in fluence of genital hormones, arising from the ovary and testicle respectively Past experimen tation has shown the influence on the general system of castration in either sex before puberty and after and these changes are too well known to require review at this time. A new phase was given to this question in 1912 by Steinich who transplanted sex glands in young castrated animals of opposite see This resulted in com pletely checking and even reversing the phy ical features and traits recognized a characteri tic of and specific for each sex. More recently the same investigator has succeeded in producing entirely similar changes in adult animals who had developed sex characters ties before costration thus demonstrating that see is not fundamentally determined in advance The only conclusion possible is that the essential factors for the production of the genital hormones are the interstitial cells found in the genital glands of both seven

THE CORPUS LUTRUM AS A GLAND

While Born was the first to propose that the corpus luteum should be regarded as a gland of uternal secretion with particular respect to the implantation and development of the fertilized owns it has remained for Frânkel Maguus and Cohn to prace expenientally. Born a theory The original work of Frankels now well known that the removal of the corpus luteum pre-ented pregnancy or caused the dr-appearance of the owns in the early months but that it had no in-

fluence on pregnancy later Weymersch had add ed to this the explanation that destruction of the corpus luteum is followed by constriction of the uterine blood vessels and by uterine contractions thus inhibiting circulation of the blood freely throughout the organ While most clinicians have observed that there laws cannot apply strictly to the human female it has remained for Cathala to analyze a series of cases. As a result he concludes that the corpus luteum is not indispensable and that its removal in the early months is not to be considered as a cause for abortion Puech and Vanverts take issue with him in part however showing that abortion is more frequent during the first two months of pregnancy - 25 percent - than during the third - II nercent or fourth - 12 per cent - after double ovan otomy They also show that abortion follows oftener after bilateral oophorectomy-25 per cent - than after umiateral - 16.5 per cent when the operation is performed during the first two months of restation

An interesting point in the study of the corpus interm has been added by Escher who fosted the pagent of the body from the ovaries of cors. He could that it belongs to the luten group of by doncarbons and that it is not different in any respect from the vegetable curotin a pagment of certain vegetables and green leave. Its origin and function are uncertain except that it has nothing in common with familiation in the original contrains the common with familiation in the contrains the cont

The nature of this ovarian secretion has recent been carned a step further by Iscovesco This un estimator undertook his problem on the basis that all it my cells are formed of proteids car boby drates and lipoids Among the lipoids are found neutral fats knowd both phosphated and non phosphated The lipoid responds chemically in all respects the same as the internal secretions Thus the thyroid possesses an entire series of Iscoverco worked with one of the lipoids of the overy soluble in oils in all neutral fats f rming how is with ether in petrol acetone chloroform benzol and boding alcohol facts solution injected into rabbits, produced uterine and ovarian hypertrophy with marked congestion and extravasations in extreme doses. A similar lipoid from the testicle exerted corresponding changes in the male. Again a specific lipoid from the corpus luteum increased post partum involution and lessened nausca and comiting There seems to be a direct antagonism between the lipoids of the corpus luteum and those of the suprarenals lsco esco has come to the conclusion that in e ery organ of vertebrates may be found a specific ispoid which has the property

of exciting the function of that organ each one being a homestimulant acting on the medullary center which presides over that particular organ Aschner previously and Herrmann more recent

ly have arrived at similarly suggestive results their work varying only in regard to method-Aschner in substantiation of Frankel's theory of the relation of the corpus luteum to pregnancy also produced a lipoid specific in action ploying a subcutaneous injection of ovarian ex tract and placental extract to produce milk secretion he noted the hyperæmia of the genitalia and was able to produce hæmorrhage even hæmatomata in the uterine mucous membrane of guinea pigs. The ovaries were found to contain an un usual number of ripening follicles to which Aschner attributed the genital hyperæmia Herr mann isolated a pentaminodiphosphatid from the corous luteum of rabbits. An extract of this substance injected into the animal brought about hypertrophy of the genital organs and breasts Histologically there appeared a marked hypertrophy of the muscularis and mucous membrane In one animal so tested before maturity where the uterus was undeveloped a hyperamus and cedema of the stroma took place similar to the changes of secretory activity Corresponding hypertrophy and hyperplasia were found in the mammary acini the ovaries became enlarged and a ripening follicle was found. In the case of mature rabbits Herrmann was able to in duce oestrus by injection of the phosphatid changing the four weekly cycle to a two weekly one in three different animals. Again in an immature animal the overies were removed and the phosphatid again injected over a period of five weeks The same changes were again produced, thus more than overcoming the castration atrophy

In hke manner Stickel's experiments demon strated that ovarian extract and particularly the extract made from the corpus luteum has the most pronounced effect on the uterus To produce sterulity he subjected a series of rabbits to the X ray and found that in them the uterine curve was similar to that in virgin animals the uterine response to the extract being less marked after raying Ovarian extract from rabbits that have been rayed possesses an especially active in fluence on the uterus of other rabbits similarly rendered sterile Spontaneous uterine contrac tions are nearly always present in rabbits that have delivered young and Stickel suggests that the ovarian hormone is antagonistic to whatever other influence may inhibit such uterine con tractions.

Similar results to these have been reported by Feliner who used alcohol ether extracts not only of the ovary but of early chorionic villi most characteristic results were obtained when these extracts came from pregnant animals When the ovaries contained no corpora lutea results were negative Though Feliner was un able to decide as to whether or not he was dealing with an internal secretion in his placental extract his results so closely resemble Herrmann's as to suggest again a powerful phosphatid Hal ban regards their combined results as further evidence in support of his theory that the placenta takes over in large part the function of the ovary Experiments to detect an antibody in the blood serum of women was undertaken by Smith as a result of which he concludes that the term in ternal secretion need not necessarily imply such a substance as would produce an antibody Using an extract of corpus luteum as antigen he attempted to detect the presence of an internal secretion by the complement-deviation test but

ducing a reaction to injections of addrenatin atropine or pilocarpine. His experiments in twenty cases where the ovaries were absent or not incutonating were based on the idea of the ovary possessing an inhibitory influence on the charaffin system as demonstrated by Christofoletti and Adler but the results were almost uniformly negative.

THE CORPUS LUTEUM AND MENSTRUATION With respect to the corpus luteum during menstruation. The corpus mental properties of the corpus luteum during menstruation.

with negative results. Keller also found it im possible to test the function of the overy by pro-

With respect to the corpus luteum during menstruction experimental results are less satisfactory Schroder made comparative observations on the endometrium and corpus luteum in roc cases, in 69 of which menstruction was regular being irregular in it with conformity how ever to the corpus luteum cycle. His work is interesting and presents a four stage cycle.

If fifteen to twenty days after the beginning of menstrustation the endometrium shows the characteristics of the middle or end of the interval The corpus tituem is then going through the first stages of its development. The granulosa cells are small but gradually increase size with abundant red blood cells between En lemiting fibrous membrane shows some unraveling with an arrangement of the finest fibrils in a radial direction. Capillaries are beginning to form as are the theca cells in characteristic concentracily arranged fields.

2 From 18 to 25 days the endometrum shows the beginning to the middle of the premenstrual stage The corpus luteum is mature with largecelled convoluted granuloss many fine fibris and capillanes running in radial direction. There is a thin but clearly defined internal connective-tissue boundary and a clearly marked small-celled peripheral theca interna.

3 From sa to 38 days, the endometrum is at the end of the premenstruum anatomical menstruation. The corpus lateum is fully developed and organized. Granulous cells are similar to those in (a) but the radial and transverse fibrils are more abundant surfounding each cell with a fine netwon!. The internal connectly-clusted but the property of the p

4 One to 14 days The endometrum is at the poat-mentrual internal the corpus lateum being also in retrogression. The granuloss cells are shrueled bursted by the continuously uncreasing growth of the fibruls. The internal connectuentuate layer is the ther and nuclear organization has occurred. The cells of the thera interna are clear and well dee closed.

Schröder therefore concludes that the specare follular truptures on the fourteenth to sixteenth day from the beginning of menstrual bleeding and that the rapidly developing corpus luteum nor mally matures at the time of the premientual swelling of the uterine mucosa and that it is the cause of this chance

Meyer and Ruge on the other hand has eattempted to establish a five-stage normal sequence for the corpus luteum (1) The hypercrane stage during the meastrual interval (2) The stage of vascularization early in the premenstrual congestion of the uterine mucora. (2) The hamor rhagic stage during the marked premenstrual phase (4) The height of hemorrhagic indication plant before or at the beginning of mentruation put before or at the beginning of mentruation During pregnancy the corpus luteum tremains at the high point of its hemorrhagic stage.

Without going to deeply finto the histologic changes occurring in the overly synchronously with the menstrual cycle Frânkel regards ovula tion as regularly occurring during the intermenstrum. claiming that the evact age of the corpus lutum cannot be determined microscopically. His opinions have been confirmed by Ulling-Sent Landsberg, Meyer and Schootsoppens, the Fourth of the confirmed and the confirmed proposes after a hypermina of the uttrus preparatory for pregnancy Landshitzly he claims that there is no such thing a spost menstrual embedding but that the ownic corresponding to the first supbut that the ownic corresponding to the first suppressed menstruation is the one fertilized and implanted

While Meyer and Ruge are not so far from Schroder in their estimation of the relation borne by the corpus luteum to menstruation Halbanhas brought to bear on the question the light of his clinical experience. In the course of thirty five ianarotomies the ovary was deprived of its yellow body and careful notation made with respect to subsequent menstruation. It was found that where this procedure was undertaken at once after menstruation there was no change in the menstrual order Where however the corous luteum was destroyed during the second half of the interval menstrustion occurred one or two days after the operation the next period follow ing in four weeks thus establishing a new time for the cycle Thus the corpus luteum must be regarded as inhibiting the onset of the next men strual period as it apparently does by persisting in pregnancy Its influence as the factor deter mining the uterine changes of menstrustion seems to be fairly well established. Dannreuther's case provides further evidence to the point. Here corous luteum extract was administered to a patient after bilateral salpingo-oophorectomy with a re-establishment of menstruation. The extract was made from the ovaries of pregnant animals an essential factor for securing most certain results in Dannreuther a opinion Thus the corpus luteum becomes the source of the hor mone governing such changes as are essential in preparing the mucous membrane for the recention of the fertilized ovum, the premenstrual changes In what way it maintains itself in case pregnancy takes place or through what agency it is maintained is not yet clear Evidently here the activity of other internal secretions come into play either those of glands already active or some new substance introduced by new trasues such as for instance the choronic trophoblast.

OLABIAN AND UTLRIVE EXTRACTS AND THE RLOOD

Graning then an influence on the part of the corpus luteum over mentruation the next thought is that to arran hyperfunction ma, ht serve teloogically in excressive uterne bleeding or that a definitely abnormal uterine miscous membrane might overact to the stimulating bormone. The work of flittechmann and Adler has finally given us a knowledge concerning the cyclic changes in the uterus characterizing mensituation but the physiology of this series of phenomena remains far from critism. The pathology behind many forms of uterine himotralage is well under

stood but the theories explaining certain menor rhapins and metrorrhapits as lue to glandular on lonetinus metritus existle leveneration of the maries thronic cophoritis etc. as pinted out 1) f. raw. have been given up. On the hypothese that met trustion is not a function but a mere retrogree live change folk win, activation on the part of the uterine mucos ib a copyie lutrum hormone unglantation of a lertulized on um not have occurred uterine hear make may be studied from the point of sice of ovarran phy iod by Thi leads then to a tudy of the relation between ovarran and uterine extracts and the low

Schichele's experiments have been most in teresting Combinations of animal bised scrums and clasma were ad led to extract of different partians of the uteru and maries buth extracts d taxed coagulation variou by these from rean subject to abnormal like hing tricklicing a more marked reaction the endemetrium being more t merful than the myometrum and saman stract crusing less delay except in cases where there had been exces med leeding. He extracts further a roduced a histate no speru h rall lood vesel thuslowering blad it resure the would heree with Herrmann's bin ling that struct of currous luteum does not raise the !! x! ; res ure t welt foun least to agulability foll mang organic extracts from the ut ru placenta and ovum He attributes the to the mbelinge which torether with anoth r ul tan e awddatin be res vered from the justes f the uteru vasodilatin be rem ved or if it be la king congulate a occur more purckly than when it is resent. Klatu rolated a peculi, ul tance from the comus luteum takin particular pain to eulule other ration of the 40 `Human the I tested with the extra t responded by very rapid coumilate a He believes that furing n r mal menetruate n tl l sa ulabilità i fa red la lutem cell free landen the granfian I lliefe tuntures the ul tan e then enterior the t tiram and bring to all out meath of the men

 (dysfunction) and neaks of a maomhorm ne as the factor in celebrates in whom sexual energy while still active find al normal expression in tumor development. In multipara this is ex pres ed by a relative sterility. Metrorrhagias of the menopause with no apparent ut rire lesion are regarded by Lorgue and Ma al ueu as cessin tial metrorrhama due to a di tuthince of the oversan hormone which normally presides over men trustion. In these cases bleeding cea es if the ovaries are removed and the minority of such ovaries are subject to existic degeneration. Their ommon is that in neuroes the ovaries an over production of the interstitual cell, takes place with hypertree hy of the gland of internal care I he an turn may be the result of a general failure to orrelate on the part of the vascular gland prestting over the development and uppression of men trusti a. The theory that metrorrhagia of the type or humorrhage from misomity i due to ovarian hyperfunction i trongly upported by the beneficial results of the Year as reported by Kroni, an IC au Frankel and many other chineran Decreased bleeding or amenoral ira follows the destructive effect of the ray on the ovarian parenchyma with secon dary atroj he of the uteru How much of this influence i due to direct action of the \ray on the uterus a not clear but the chan es in the ovary cem to be definite at lea t for a time

A inferent application of a somewhat imitar theory field shalled a viteral opcase of hymenor that and a following the same of the same of the same of corpus lateur. Mo this cases were jumple mutically curred and so the 1 tents women became pregnant. Ovidan hype function her application is the explanate a face offered uterine insufficiency bein lue to correlative of utilization for uniform the representation. Naturally the questional left seems towh their results obtained were far unliked and detect in which and of the late of the proposed of a late of the same of the same of the proposed of a late of the same o

THE CENTER FITTER AND INCOMES.

Il just to ofte fital claim tath premany for all a reaching as an internal sorter of the as an internal secreto sha alterals because good of the work of the crash of indust two of the control of the control of the control therms for fit by bysed from the both the control for the crash of the control of the forecast of the control of the crash of the control of t influence which in some way or other determines the occurrence of protoplasmic changes in the cells characteristic of decidual formation. Thus

he takes issue directly with those investigators who have heretofore upheld the theory that decidual formation is due to some so-called genetic influence having its one in the ovary Accepting this attractive idea we are at once led to regard the rapidly problerating ectodermal cell as providing an internal secretion canable of activating further a cell already in fluenced to moderate cedema by the corpus luteum linoid or phosphatid Such a theory makes the early ville for the time being complementary to the corpus luteum and sustains Halban a proposi tion that the placenta takes over in some degree the ovarian function Carrying the idea one step further it is presumable that the corner luteum itself is maintained as a permanent anatomic entity having a definite physiologic function dur ing pregnancy through the influence of this very same placental cell product. This theory of course leaves out of consideration the influence

of the other glands of internal secretion It is the belief of Seitz that the function of the corpus luteum is short lived lasting only during the first month of pregnancy the interstitual ovarian cells then developing and working synergetically with the yellow body Irregular growth and development then on the part of the corpus luteum may explain habitual abortion Likewise destruction of the corpus luteum early in pregnancy in the lower animals as shown by Frankel will lead to abortion On the contrary destruction of the choronic vills by termination of pregnancy may be the factor permitting regression of the corous luteum with recurrent ovulation and menstruation. At all events Serta believes that the changes of the ovarian interstitual cells in pregnancy are stimulated by the placental cell change He further claims that a pathologic overgrowth of trophoblast as in vesicular mole or chorroepithelioma leads to the production of the lutera cyst

Keller sobservations from a series of operations performed during pregnancy assured him that a succession of special changes occur in the overy such as marked sacciliaration, growth of theca-lutein cells the construction of the corpus interim and the development of interstatial cells, changes evidently significant of special function He found no recent corpora lutes in the second half of gestation, nor one that appeared to be in extregression. No follicle beyond the stage of inpening was found, nor on the point or rupture. That ovultation may occur during pregnancy is

most improbable though follicles may ripen and even escape While considering the physiology of the corpus luteum during pregnancy the possibility of a dysfunction again comes to mind It has been suggested that since ovulation does not occur the overy subsides into what should correspond to a resting stage This does not seem to be in accordance with the evidence Not only are the interstitual cells more in evidence but the corpus luteum becomes for the time being a permanent structure Whatever changes in general metabolism occur when this body fails to be maintained has not been determined but certain investigators have ascribed to its insufficiency some of the pregnancy complications of the early months such as pernicious anæmia hyperemesis, etc Thus Chirea and Stolper believe that such a relation exists Without formulating definite conclusions. Chirca assumes that one of the functions of the corpus luteum is to antagonize the toxin elaborated by the chorionic villi and that lutern deficiency therefore permits the placental cell products to become assertive. He reports one case of excessive emesis in which death en ued Autopsy revealed considerable enlargement of the right overy which contained a large vellow body in a state of cystic degeneration. The left ovary was small but cystic the uterus and placenta negative. As a result of the cystic distention and increase in connective tissue the lutein cell band was markedly atrophic Chirea has used tablets of lutein in treating his cases of emesis but results have varied Recasens calls attention to the fact that functional disturbance in the early weeks of gestation is radically different from the pathological processes of the ultimate months Stolper notes this as well and both regard lutein hypofunction as at least one factor in hyperemesis gravidarum. In early gestation the entrance of albuminoids from the ovum into the maternal organism causes disturbances which are signs of immunity with subsequent formation of antibodies These activate the functions of the various permanent glands and the temporary corous luteum If moury to the cell structure is effected adding to the activity of albumin prod ucts from the ovum these signs of immunity in the early months may go on to the development of a toxxima such as incoercible vomiting Ti-nally Sergent and Liau regard the cortical layer of the suprarenal capsules as one of the lines of defense for the female organism in gestation which neutralizes the auto-intorication of the early months called by them villo townia Often this is so severe that the suprarenal capsules give out and fail in their lunction.

OVARIAN EXTRACT IN THERAPS

While our knowledge of ovarian phy iology is thus far very imperfect efforts at some therapeu tic application of the ovarian secretions have been reported for many years and until recently with most indifferent success. When thyroid extract came to be used successfully in certain types of hypothroidism clinicians made haste to apply the same empiricism in the use of ovarian extract but with disappointing results. Only from the most recent studies in ovarian physiology such as have just been reviewed have we begun to find some explanation for this apparent inconsistency The thyroid gland evidently produces its hor mones more or less constantly that is the active principle i probably present in its tissues at all times so that by feeding the gland either fresh or in extract its organic influence is transmitted. In the ovary conditions are quite different 1 most probable that the interstitial cells are enlarged only at certain times if indeed this means that they are actively engaged in the production of a secretion With the follicle and corous luteum we have a definite recurrent growth and regression wherefore any secretion coming from them would be present only on occa-Thus it is evident that any internal secretions from the ovary would be obtained in extract only provided that the organ was actively functionating at the time the extract was prepared Again if it is the purpose of the interstitial tell to guard the growth and development of the utern it is clear that they would be most active during the age of puberty and les so after nubility. They have however been observed later in life and often during pregnancy hence their function is probably more complex regard the follicle of it i the function of the internal theca cells to produce the premen trual congestion and of the lutum cells as successors to muntain the influence in preventing further ovulation and in at ling the newly implanted ovum at lea t for a month or two then it hor mon could be collected in extract f r l ut a few day at a time in cale gestation does not take place The explain at lea t how inflicult it may be to reure activating ovarian extract for commercial purposes and therefore why thera peutic result from past clinical experi nec have been so carred and uncertain. It i probably for they reasons that Dannreuther con iders the corpu luteum of pregnancy as more table and efficient than that of osulation and hence while agreeing with Burnham as to its therapeutic value empha izes the importance of preparing the extract from the ovaries of pregnant animals

He regard such an extract administered by mouth as non toxic but warns that the blood pressure be not allowed to fall below oo mm He under any circumstances and not more than 15 mm Hg at any one time Aschner believes that such an extract brings about a hyperamia of the genitalia and suggests its use in the treatment of amenorrhora sterility and menopause troubles As a result of his experiments with the phosphated lipoid (ovarian) previously referred to Iscovesco assigns to it great influence in certain hæmorrhages amenorrhæa dysmenorrhæa hypoovarianism sterilization and the menopause He also suggests that the deficiency of the in fluence is a factor in the chlorosis of puberty and in the feebleness of sentlity. According to Dannreuther corpus luteum of pregnancy is in dicated in (1) functional amenorrhola or scants menstruation (2) dysmenorrhora of ovarian or gin (3) manifestations of physiologic or artificial menopause (4) neurasthenic symptoms during menstrual life (5) sterility not due to procenic infection or mechanical obstruction (6) ovarian insufficiency where the function of one ovary is impaired or one has been removed and compen satory activity in the other has not taken place (7) repeated abortions not due to disease or me chanical factors (8) hyperemesis in the early months of pregnancy Hill's clinical experience i in accordance with such indications. He treated with the extract of corpus luteum 12 patients from 25 to 38 years of age all of whom had lost both ovaries by operation and showed severe types of nervous disorder. In every case improvement occurred though complete relief was experienced in but two cases and relapses occurred where treatment ceased He agrees with Burn ham and Dannreuther that in ufficient disage explains past failures

In certain types of sternity where alterations of the ovary are present Reynold fin is a sit to or moderate organic enlargement due to retention cysts or to unduly large peni tent and fraquently cystic corpora lutta. In such cases, to tract of corpora lutes would be contra indicated and in tend Reynolds advocates re-ection of the retention cysts or perastent yellow holder.

O tromalacia is always to be considered in discusing, ovarian physiological overtomalacia as proven though acknowledging that bone metabols in is decreased through the ovarian influence. Schnell has reviewed the treatment of teomalacia during the last fifteen years. He does not regard this condition as an expression of hyperovariants mutuallish that it is due rather home.

to changes in metabolism from the action of various ductless glands Three hundred and thirty four cases were collected. Of these 37 were treated by phosphorus 105 by castration 36 by adrenalin 1 by antithyroidin 16 by pituitrin 2 by milk from cas trated goats, and 6 by the \ ray \ \ ith but 7 recurrences in the series treated by conhorectomy Schnell claims that this operation still offers the fewest bad results, being much preferred to treat ment by hormones, such as adrenalin and pitut trın

On the other hand a case of acromegaly i reported by kalledey and another by Goldstein which seem to have been due to a lack of ovarian secretion whereby the hypophyscal secretion failed to be neutralised and flooded the general or gamem Goldstein a case is that of a woman of 38 with a tendency towards gigantism in childhood She was subjected to panhysterectomy for uterine myomata and acromegaly developed without recognizable enlargement of the hypophysis Kalledey a case is of even greater interest. The patient was 32 years of age and had shown acromegalic disturbances for four years. She men struated first at 17 scantily married at 22 and passed into menopause at 24 without gestation having occurred. At 28 staric symptoms ap peared with enlargement of the fect. She became very fat developed headaches, sleepless ness, and vertigo and later was unable to walk Her general appearance was masculine even to a growth of hair on the face Intravenous injections of overian extract were administered and she became able to walk after the sixteenth dose She was then given the extract in tablet form Menstruction returned in three months and one month later she became pregnant.

OVARIAN GRAFTING

Determination as to the conditions under which the interstitud cells or the follicles predominate in influence will aid in explaining success or failure in ovarian grafting. All such efforts are as yet at the experimental stage no recent work having brought forth any definite working knowledge Indeed opinion continues to be divided as to whether the ovarian hormone is in itself the es sential factor in maintaining normal conditions or whether its value lies merely in its power to Thus Tuffier regards induce menstruation menstrual suppression as the cause of trouble in post-operative menopause rather than the loss of the ovarian secretion per se whereas Whitehouse regards his results from autoplastic grafts after total hysterectomy as satisfactory J T Smith believes the essential factor in the success of the transplant is ovulation that is the production of a corpus luteum Ovarian transplants containing lutein tissue acted almost as well in his stries as where the nerve connection remained intact Graves reports on ac cases where the ovary was implanted in the broad hament or abdominal wall with end results in 12 7 suffered severely from hot flashes 2 lightly 3 not at all One patient bled from the nose and rectum and twice the transplant became cystic and mainful In its present development Graves does not regard ovarian transplantation as of great practical value an opinion concurred in by Bell and Park. Bell speaks of this procedure as an effort only towards mitigating menopausal disturbances the severity of which depend not so much on oranan insufficiency as on the correlation exist ing between all the internal secretions. Here the uterine changes which prevent menstruation and the individual variability as to sexuality and to the stability of and capacity for readjustment in the endocrinus system must be given proper consideration

Tuffier 5 autografts comprise 44 cases The overs was implanted in the loose subpenioneal Cellular tissue one on each side 5 of 6 cm distant from the median incision Even where the ovary was eclerocystic he used it. Of this series 10 were seen later 18 of the patients having men struated Amenorrhota ensued for from three to seven months after operation during which time menopause symptoms were present With the recurrence of menstruation the unfortunate phenomena leave wherefore Tuffier argues that menstruation is more important for the physiologic equilibrium than is ovulation. Such argument is of course beside the mark until we can prove more definitely the nature of the relation between menstruation and the ovarian hormone

Two of Tuffier's cases were of unusual interest The grafts were removed after three and one-half years for pain They had maintained their ongi nal size and a voluminous arterial and venous arrangement could be demonstrated about the periphery Of 14 cases, however but 3 menstru ated regularly and rhythmically 2 regularly but too freely and 4 urregularly Three showed a progressive decrease extending over a period of two years time and four suffered from pain either in the graft or in the uterus Tuffier concludes therefore that autotransplants are most effective in young women especially if hyperthyroidism is present. The experiments of Curtis and Dick gave equally unsatisfactory results but 2 autografts and a homotran-plant proving successful out of 13 attempts.

Likewisein Carmichael s handsovarian grafting has been de appointing so much so that he con id ers the procedure as worth try ing only in the hope that it may dimini hathe rapidity of on-ca of the chruseteric. His ortanal observations published in 1707 have recently been reassirmed by results obtained in two cases. In one of these the graft caused no trouble but men truation ceased two ra 7ths after the operation and mil I climacteric symptoms supervehed. In the other case men struit flow appeared irregularly but the tran plant cau ed such pain as to require its removal eight months later. The ma removed proved to be completely cystic the cysts being arrounded by a dense librous car ule. Microscop ically no trace of healthy ovarian or major lutein to ue was to be seen. This overy had been a inful and

was lightly esticat the time it was tran planted Whitehou e feels somewhat more san mine as to orange tran plantation but bases he opine n on a mailer series of cases. Take Hell be employs seedling grafts but retain the entire ovarian structure whereas Bell trimmed the cortex away a procedure certain t minimize follocular development the present to nich ascular sure is in the ti wes used a a bed for the graft is regarded as a prime essential is. Whiteh is e as a acoptists and the as there of strop antiserties he rthele he has implanted seedling from exames inscised in a general pelvie intection with failerable at ame chronic inflammatory rea two thus not causing a de tructive uppuration

Experiment on I eet a performed by lon nheff and Jule seem t he led to en e traging result. O aries grafted from one arimal t an ther later appeared normally der I med and in he are wher the trangiant was prire at 1 minut 1 erean's en ued. With report to the parte of refuse of the with the question naturally arrest t wheth fith host of the translation in a necessition is not t refrence th germ; or ffrom an were the ner tively to n t ומשייוואון ר מארו with an mil fin er trab ff fi res the both acres to be were ! tent sero a thi best rest (whether rimal Infact f et It mi nirting at be care trater t itt ! Ift erren ralf t th 1 + 1 muth gift and tree to at former thr is a large to at I tile e were er ce t t led reasons i filter a sea 2 1 2 to a trace secured to perman-114 t tive years m tel se s

* If ivarially *

term

failure in grafting from one species to another Not only should the two ewes come from the vame mother but from a herd having but one belt wether. He can iders that the application is somain of the principles deduce I from this experimental work would let I to a very housted held for the employment of ovarini tran plantation however the danger of true mitting infection would prove a can tain menace if index I the complex organi mod the hi her orders with the alle to minishin so hi, bith specified an orman as the ovary when tran planted. It is ming for a ject of emrafield if us to hise in a valuar bed and another for it to functionate a an on, in of crettion.

THE THYROID SECRETION

The relation of the thyroid ecretion to that of the overs has always been of marked interest to the physiologist and to the clinician | Bell has pointed but that an excess of there it secretion is commonly met with in connection with pelvic lesions an I that di tincti in mu t be ma le between cases which are the result of genital affects of and those can ing them. Total ovarian in uffieienes arouses incres ed activity in most of net in all of the other ductless gland thyroid is stimulated ju t as after the foi lectoms the mary increases in function thou hill enteres may atrophy Miter cophorectomy the thyreid shows a great increase in collect centent ther un lerdevel 4 ment of the ovary is not neces unly a triming factor in delived tuberty though often a cerrelated con lition. The therea ! and rituitars secrets n in a sociation with the marian are the factor most c promed in the t nal development I the genital any statuat puberty leface i menotration cray be seen lars to the roul to ufficience ju ta eren el aria may be tem rank for to typert wall m spart fr mery th loug ster lakens exteril its he are imparted hypethyre I me a c claim feacher executs I taditufiter oft' him r a tenolitettyr elenth ever Beil ret et et er un en rei nith trute t t c full in justice will man fee f grant i filanniati t ner g enfrit ce attendad I that to come at I tr ett item The am wmin si ali Wertl tre tel a faithe all ucem again oca t inti ere igae wiger 11 1 o ta li race narar aris er se pe te er fran want fer the m if the terms I til re alot eta att f tiber it Intiett ttea ett jut t halbers tened ther can anthala

enlarged thyroid Here again gestation came on after several months of thyroid feeding. In each case medication was stopped as soon as menstruation ceased.

This complementary association of the ovary and thyroid is again demonstrated in Basedow's disease Graff and Noval s recent series of 36 cases and Frankel s of 40 are significant. Of Graff and Novak a cases a marked diminution in genital function was observed in 18 primary ovarian deficiency evident in so dysmenorthosa in 6 sterulity in 7 where pregnancy was possible Four women showed definite infantilism and in 10 others stigmata of hypoplasia were present. No change in the genital function was seen in 12 nationis, a became prognant and grew worse and a recovered spontaneously in the second half of gestation Frankel found that in 8 of his cases the disease came on after the fortieth year 6 after co and c during the menonause. Amenorrhoea was the rule in advanced disease. He regards the hypo-ovarianism of puberty pregnancy lacta tion and the climacteric as peculiarly predisposing to morbus Basedown

Thompson thinks that it is the interstitial cell secretion rather than that of the follicle which has most influence on the thyroid and he quotes Crile as having emphasized the relation between exophthalmic goiter and sexual neurasthenia. The thyroid becomes definitely hypersemic and hypertrophic during pregnancy and its function is accordingly increased Bell argues that such changes would naturally occur if the interstitial ovarian secretion were absent during gestation thus throwing a tremendous strain on the other organs of internal secretion especially the thyroid and hypophysis This increased thyroid activity seems to take the form of a storage of colloid On the other hand neither metabol ically nor actually has clinical experience or experimental research produced any conclusive evidence that thyroid insufficiency in pregnancy is the cause of eclampus. On the contrary hypoovarianism in gestation produces less effect in late pregnancy than in the non pregnant a con dition due either to the stimulation of the inactive thyroid by gestation or to the secretion of the developing foetal thyroid being conveyed to the mother As regards the etiology of eclampsia indeed most recent study seems to in or the idea that this lies in the metabolism of the

THE HYPOPHYMIS

placenta

No work on the physiology of the glands of internal secretion has created more interest than

that in connection with the hypophysis By this time the physiologic action of pituitrin as a stimulant of uterine contractions and its thera peutic value in delayed labor or in obstetric bemor rhage are so well established that no consideration of this phase of the subject will be carried out at this time It is desirable to include in this present résumé only such material as refers to the hy pophysis in its relation to the ovarian secretion Here again we find amenorthesa a clinical expression when the pituitary gland is deficient. Hol stater and Fromme have most recently con tributed to this phase of the topic. In patients where amenorrhoen has existed for a long time without pregnancy as in primary hypoplasia of the uterus or ovaries or in general infantilism anzenes and cachesia a disturbance of the glands of internal secretion seems the most probable factor While it does not necessarily follow that the hypophysis is insufficient in every case it would appear that either such is the circumstance or else the addition of pituitary extract stimulates those glands which are at fault or which under such stimulation are able to improve conditions At all events Fromme treated 12 cases by daily injection of a com of pituitrui s proved negative a doubtful while 5 reacted promptly His best results were obtained with those patients whereadinosity co-existed patients in whom disturbance in the internal secretions is most apt to occur In some of Holstater a cases the amenorrhora had not existed so long as in uterioe atrophy of lactation and where mild ad nexal disease seemed to be the only pathological finding Thirty three cases were treated by hypophyseal extract of which 22 responded after several injections by uterine bleeding very like menstrus tion Continued injections or the use of tablets Lept up the periods in it cases and even where amenorrhota persisted the patients were symptomatically improved. This phenomenon was noted particularly in cases following custration and the menopause Like Bell Hofstater has combined pituitrin with thyroid extract especially in adiposity and Bell has used it with ovarian extract also A point of practical value chincally is the condition of the skin Where this is dry and rough the thyroid is most probably at fault but if fine and smooth the pituitary is more apt to he insufficient

Aschner and Seitz regard the hypophysis as absolutely necessary for the etutence of preg nancy and Bell claims never to have met with gestation in which the woman suffered from a major degree of pituitary insufficiency. While Bell insists on the unity of the whole gland

Schlimpert and Siguret claim proof that the anterior lobe is uninfluenced by pregnancy and that the active secretion is obtained only from the posterior lobe a conclusion which is certainly generally accepted By its vasoconstructor ac tion Schlimpert has demonstrated pituitary presence in the fortal calf as early as the tenth week and in the human embryo at the sixth month In fortal calves in the seventh month its influence on the respiratory center has been determined But while hypophyseal insufficiency tends toward amenorrhoea and sterility excessive secretion has a similar influence. Thus hyperpituitar ism tesults in acromegaly an expression of masculmity hence decreased sexuality in the female which may be spasmodic or constant Cushing has shown that acromegaly eventually produces dystrophia adinoso genitalis or pituitary in sufficiency hence again amenorrhora and sterility in the female

That the relations between the hypophysis and the genitalia are in some respects antagonistic is claimed by Ros le After castration this is not so evident where advanced age cachevia and similar factors enter in Thus at the normal chmacteric the hypophyseal influence does not become marked But in young women he finds reaction evident in a very short time after removal of the ovaries or of the entire pelvic viccera even in the presence of severe general disease This i shown histologically by a hyperpla is of the eosmophile and especially of the basophilic The latter appear abundantly in those areas of the hypophysis where normally but few are found. That such cellular increase is respon. sible for increased accretion and hence for some part of the internal secretory disturbance characterizing the exaggerated symptoms of premature menopause remains uncertain. That such may be the explanation however is suggested by Aleemann's experiments with castrated animals After removal of the ovaries or testicles or merely of the corpora lutea he injected animal with extract of the hypophy is The effect was the same in one eries of animals as in a series of con-When however the extract was taken from the hypophys of a pregnant animal the effect differed materially. In some there was a dilating action on the ve-sels and in others a constricting effect altogether contradictory may explain many of the failures reported in the therapeutic use of pituitary extract and it may also be construed as at lea t partially clearing up certain phases of the vasomotor di turbances at the climacteric

The abnormally large excretion of calcium

salts as a result of hyperovarianism has led in past years to treating osteomalacia by obphorec tomy Bossi has more recently suggested that these patients be fed suprarenal extract instead While physiological osteomalacia has not been proven bone metabolism is increased by the hy pophysi thethyroid thethymus and probably the parathyroids I urther it is quite possible that in osteomalacia there is a deficiency in these glands and in the adrenal as well as an excess of ovarian secretion. Thus we are face to face with a definite and logical therapeutic advance to be followed in the future in all those diseases of the endocrinous glands where there is excessive secre-Instead of removing portions of diseased or deficient organs Bell now suggests the use of metabolically antagonistic extracts Pituitrin may prove to be as efficient in the treatment of hyperthyroidism as it is in uterine inertia in labor and combined with suprarenal extract it may serve to counterbalance the action of the

ovaries and thyroid leading to calcium retention. THE ADRENALS

The relation of the adrenal gland to the gonads is as yet very imperfectly understood Addison a disease remains the only clinical recognition of suprarenal insufficiency charac terized in the female by amenorrhora het as has been suggested a similar expression may exist in osteomalaçıa. İt i quite within the bounds of reason therefore to regard the suprarenals as of great importance during pregnancy in assisting the absorption and retention of lime. The amen orrheea in Addison's disease is apparently due to uterine atrophy Noval, has recently shown a genital hypoplasia in rats following extirpation of the adrenal more pronounced in younger than in older animals Partial extirpation caused no change Potency and capacity for conception was markedly decreased though pregnancy was not necessarily interrupted Seitz on the con trary consider, that the adrenal is as es ential for conception pregnancy and uterine contrac tion as is the pituitary though an increased amount of adrenalm in the blood in pregnancy has not been demon trated. In unlateral removal of the suprarenals in rabbits Bell found that calcium secretion was increased many times that of urea and pho phorus in less degree with no histologic changes in the overies. The pituitars appeared to be affected in the rapid production of infundibulin

In excess of suprarenal secretion amenorrhora is a constant finding and pregnancy occurs in no well-defined case In suprarenal cortical byper plasia secondary sexual characteristics are always modified in some degree a case of Benda s just renorted being quite to the point. The ovarian influence is largely overthrown by such hyper plasta secondary male characteristics being produced where the external genitalia remain those of the female As a result of experiments with adrenahn on rabbits Steple came to the conclusion that the internal secretions from the ductless glands play a rôle in sex determination. After feeding a x-roop solution of adrenalin hydrochloride to the animals for eight days they showed a loss of 30 to 50 gm in weight. The uterine horns were blue and atrophic and in the ovaries the germinal vesicles had lost chromatin. The urine contained albumin and gave a positive adrenalm reaction

Since it acts in opposition to the opporials Klein has employed adrenalin in treating that form of dysmeoortheas in which the uterial mucous becomes over-demantous a condition attributed to an evcessive production of the ophorials. Not only was the pain much lessened but the duration was considerably shortened Again in dysmeoortheas due to insufficient secretion of the overy adrenalin was combined with pitultin the former acting as a vasoconstrictor the latter causing the uterus to contract, and thus coagulated blood could not collect. Results of this treatment were also very satisfactory.

THE PINEAL GLAND

The puneal gland responds to the influence of pregnancy annularly to the hypophysis. Aschier has shown that it becomes plumper and broader and that post-partium modution is never perfect. Further after extraption of the ovaries attophy takes place. This gland seems to be somewhat allied with the thymus in preventing sexual precocity and Marburg. Frankel and Hochwart have described cases of premature sexual die dopment where tumors of the gland were demon strable.

THE THYMUS AND PARATHYROIDS

The thymus, on the other hand shows a marked atrophy during pregnancy especially in the heat months. The post-partium change here is marked the gland undergoing an active prodicting process leading in a short two complete restoration. In the non pregnant state the thyms in association with the pacareas and para thyroids is said by Caro to possess an action inhibitory to the thyroid but stimulating to the hypophysis. Other investigators are Linguigue and Klose find that this present a state of the property of the processing and the property of the property of the processing and the present and the present a pr

stimulates the thyroid a conclusion to which Redlich is inclined to assent. Recent work on this phase of the subject is, however too scanty to provide a basis for new conclusions.

Of the relation of the thymus gland to the general metobolism but little has been worked out. Whether it inhibits the development of the ovary or whether such development follows on the withdrawal of the thymus secretion is indefinite. Experimentally it is increased after cophorectomy as is the pituitary gland before puberty. With the hypophysis it controls the growths of the body structures in general and with the puneal gland it probably presents sexual precoutly.

Ciulio has studied the parathyroids in preg nancy and concludes that they show no increased functional activity until the puerperium Wassaghs produced tetany in does by extirnating the parathyroids almost completely just previous to pregnancy lassales had the same result where the externation took place during lactation. This does not prove however that parathyroid in sufficiency is the only factor or even an essential one in tetany or eclampsia. After complete thyro-parathyroidectoray Werehus found that pregnant does died of tetany from five to ten days sooner than non pregnant dogs. This in vestigator hoped to show that unborn pups would transmit to their mothers their own parathyroid secretion thus proving that these glands function atem intra uterine life In support of this theory his experiments were disappointing the only conclusion accruing being that the removal in pregnancy of any organ possessing internal secretory activity would hasten symptoms ordi narriy associated with such removal unless compensated for by vicarious organic function in the fretus

THE MAMMARY GLAND

The relation between the mammary gland and the genital organs finds explanation in the in fluence of a bormone according to the results of transplantation experiment by Cohn who was unable at the same time to trace the origin of the hormone No doubt has existed for many years as to the influence exerted by the ovary on the development of the breast but this is not to be confused with the influence exerted on the mam mary long. No definite research during the to the influence of the emb^e rtal breast has been un me! # yen is the effect of casder: nterns is of slight

where the uterus

was rudimentary or ab-ent Cramer implanted ovarian tissue from an osteomalacie woman and effected menstruation and the development of breast tissue. While not proven it is mo t probable that the mammary changes of men truation are due to the ovary The brea t changes of pregnancy however are very different Starling Biedl and Foa have claimed that the hormone stimulating lactation takes origin in the foctus while Halban shows that the death of the feetus does not prevent lactation but that death of the placenta does Hence Halban and Niklas argue in favor of a hormone from the chorionic epithehum a theory which at present come most tenable Castration shortly after conception does not prevent breast changes or the ecretion of milk. Cohn is not so certain of a presuc action from the placenta and suggests that the increa ed mammary production during the putit erium is due to a non-specific lymphagogue activity

On the other hand such phenomena a milk secretion after castration changes in the climac teric or in case of purulent or neoplastic destruc tion of the ovaries all point to an antagoni m between the ovary and breast The exentral lymphagogue or leuco- timulant depend on the ovary in so far as they become effective only after ovarian activity has ceated I sturpate n of the glands in guinea pigs had n influence in the length of pregnancy or labor a reported by Schuffman and by taxel results counciling with Scherbach s The injection of mammary gland extract into animal not fully d veloped retar led theover or testicle in it complete growth. These indifferent results from experimental research max explain in part the non tix sati factors sutcome following operative prix dure such a cophorce tomy in carcinoma of the brea t and mammary amputation to limit evarian activity in extreme C4 67

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The tudy of the glan! I furt rad servitus has led to may a a mixer ting resure hes into allhed problem. If the come is a tufs. I the fretal tripled! I fe in the paint of uses. I fell ply 11 a.y. This has be non-ficial within peer to the breat from the work in let I shiften peer to the breat from the work in let I shiften ungested the their whith the chemit ro-of-cellchair can the embrace; chemost response to the letter we have a december of the feet lumber of the breath of the feet lumber of the breath of the feet lumbers of the feet lumber

blood in exces is eamounts at the end of greatation holms has attempted to offset the theory in recent experimental work on guinca pa, In his errest labor was not influenced by the intravenous impection of relatively large doves of maternal pag serum collected just before and just after labor nor by injection of serums from young pag removed at term by abdominal section and immediately after normal birth nor by placental extract and human placental serum kolme therefore regard You for Hiedes theory a not supported experimentally and labor as not an anaphylactic experimentally.

process The tendency to regard any structure of per fect cellular construction as canable of produc ing an internal secretion had led Mameni to express the opinion that active dilatation of the uterus is due not only to the influence of the cor puy lutcum but to that of the decidua as well. He saw a striking histologic affinity between the glands of internal secretion and the decidua On this ba is Gentili undertook a series of experi ments to determine the presence or absence of some pecific secretion. Human boying and canine decidual extracts were extremely toxic when injected into rabbits. Decidual extracts from fabbits and guinea jugs were toxic in in crea use degree when injected into animals of the same pecies. The phy ical igns and symj toms following injection were similar to those produced by intravenous injection of glands of internal secretion as were post mortem appearances. In some cases the toricits was greater when the extract was taken in the early months of gestation Decidual extract further show a con tant in fluence on the blood pre- ure lowering it ram ily with a disturbance of the cardiac and respiratory the thin Centili concludes that in the decilia there exists a ubstance which favors the intra vital coagulability of blood and which may be neutralized by the strum of the I lood of animals of the same pecies. Hence the distributions is ufficient of the characters ties of the endocrinal system to be reserted d as a gland of internal

with the particular tructure will be undertaken. With our present knowled it the entire relice road witem can but be endern lassified in an I the various internal secretions be studied to gether. With further clinical and experimental research knowled in the will be the trivial cular effort ruly be directed towards a certain organ in the longer that e internet in formation and the control of the whitest is difficult and finished yeter as backnown cellact standiers like the discussion of the correlation of the

secretion. It is to be hoped that further work

internal secretions has pas ed beyond the stage of mere theory The treatment of many presi ously obscure conditions has been materially assisted by the work already done yet this bespeaks only further work and a greater success in the future

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ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

ANÆSTHETICS

Boothby W M: The Determination of the Angethetic Tension of Ether Vapor in Man with Some Theoretical Deductions Therefrom as to the Mode of Action of the Common Volatile Amenthetics J Phas m & Exp Therap 10 4 370 By Surg Gynec & Obst

The term anæsthetic tension is employed to indicate the partial pressure of ether vapor that after equilibrium is established can maintain the subject in the stage of ideal surgical anæsthesia for an indefinite period. Curves are given showing that the anæsthetic tension of ether vapor for man is between 47 and 54 mm —probably 5 mm.

A sacing by obless based on the theory of Meyer and Overton as suggested to explain the mode of action of the volatile inhalation amesthet its which can be summarased in the quantitate reversible equation Mn+An=MnAn in which the percentage saturation of the susceptible molecules in the nerve cells (Mn) and therefore the influid too of the cell function—the the sacretite water to be proceed with the control of the cell of t

To humonize the fact that large anatons occur in the amount of either required by the usual methods of angethesia with the fact that the same either tension produces the same diagree of anaesthesia in all patients it is no inted out that the apparent variation can be accounted for by (i) changes in the volume of respiration (i) combined alteration and the control of the control

Flemming A L A Review of Inquests Concerning
Deaths During Anæsthesia Præ Rsy Sæ Hed
9 4 Sect Anæsthesics 7
By Surg Gynec & Obst

The author gaves a nummary and analysis of roceaths from searchesis cuilled from the lay present accounts of coron is impuests. The lack of scene this accuracy and completeness is to be regretted and also the fact that within the profession there is no adequate source of knowledge as to cases in no adequate source of knowledge as to cases in To limitate in aly 12.0 of the roo is the kind of magnitude most of the root of th

anasthetic is the first cause mentioned. Chloroform was used in many cases where it is now known to be relatively or absolutely contra-indicated. Former by the contraction of the administrators were men of very learning to the administrators were men of very by the contraction of the administrators were men of very by the cample of men of greater judgment rather than on thorough instruction and training which brings forcibly to attention the question whether there is not some deficiency in the practical part of our treaching system.

The preponderance of chloroform us straking 378 cases to 28 only of ether beside 100 of matures containing chloroform indeed it is inexplicable considering the world is knowledge that ether is safer and should be the ameritation of choice. This fact is graphically abown in one of cight tables which the article includes on the ameritatic used the other tables are on the age of patient ser, apparent cause of death nature of operation stage at which death occurred complicating factors and antly as of embarrassed breathing. The writer points out the emphasis revealed by

these facts of asphyxia under chloroform the prominence of tonsils and adenoids in embarrassed breathing the sudden death in such cases even after operation (due to ventricular fibrillation from lightness of anaesthesia or syncope or asphyxla?) and he points out the difference between what he terms incomplete and light anasthesia. As to ether as the anaesthetic especially in cases of em barrassed breathing he advocates it for induction even where chloroform must follow The anas thetic was responsible for death in 521 of the 700 cases Of deaths after the operation acidos s was alleged as the cause in only 7. In referring to the work of Levy on ventricular fibrillation un-der chloroform he points out the intermission and reapplication of the anæsthetic a practice we now know to be very reprehensible though the many unsl lled administrators seem slow to appreciate In anoci association the choice of drug is shown to be important chloroform and adrenalin with chloroform being dangerous

The art cle is a most instructive one harmer the unscientific yet o by source of information, and the writer deserves thanks for his paintiking complation. Surgeons in general and untrained administrators in particular are too prone even in these enlightened days to let arrethesia be a matter of routine or unthinking application and for lay

sources of statistics to show angesthesis so hazardous does injustice to the best available work. The discussion centered around the inaccuracy of the lay information and the demand fo professional records accessible for study—a matter those who have worked on ancesthetic mortality must appreciate

Gwathmey J T: Off Ether Amesthesia. N Y
M J 913 xcsm, 1101 By Surg Gynec & Obst.

Regarding the former use of earms oil for eal ether ansetteens the author states that it was used because it parted with ether in solution readily but an error of a hospital pharmages in compounding it with olive instead of linseed oil thereby preventing proper maring of the line water prompted the use of sample olive oil, which has continued and he of the proper of the proper of the proper of the of olive oil.

The advantages claimed for the method are () Atordance of apprehension caused by a face mask (2) no expensive apparatus (1) after effects reduced to mammum (4) complete relaxation (he claims more than in any other known method (5) the limits of safety are we dened compared with other methods (6) a more even plane of anesthesia than by inshalation methods unless in the hands of a killed anesthelist with perfected apparatus. These conclusions were based on about 100 cases in which this method was used the ages ranging from 4 to 17 years some suth careful blood and unne and blood pressure observations. The planting had expensive with of this method after having had expensive with

other methods as cited in argument
Inne illustrative cases are cited. All but one—
a grid of years—received preliminary medication
usually morphine and atropine bypodermatically
and chloretone by rectum: In some a port on of
the mitture had to be withdrawn? I ragus of over
dose cyanosa, firettor or respiratory arries. This
ungestignation abould be smooth and easy with
out aterior and with referes, especially it reflet
be ansatzletic though one caused within trenty four
hours from extensive organ colessee. Ca e and
good judgment must b exercised in the doses of
preliminary medication and in the strength of the

either sol tion
Physiological action as based upon the separation
of the either from the oil after 1st introduction us
absorption as aga circulation as the blood, passing
through the sage circulation as the blood, passing
through the passing the passing the sage circulation
through the passing the passing the sage of the sage circulation in the
lower extremities Correspondingly the return
of sensation and pass follor is that of consciousness
It is aquied that a wide latitude of safety is proved
by the recovery of the case of sagille by impecting
wash, solution, to use this method for rel of o pass
wash, solution, to use this method for rel of o pass
m place of morphime . Let action depends on the

circulation of the ether through the brain moreover preliminary hypodermatics explain analgesia

The indications for the use of the method raespecially bronchoscopy Craves disease other conditions of fear or need of anotica societies, operations on or about the heal cases of previous nauses and vomiting. The contra-indications are the same as for either absociation and retail inflamnations. When a surgeon must work above or strength it is best to substitute a vettee either strength it is best to substitute a vettee either and sdd a supplementary anesthetic by inhibition and sdd a supplementary anesthetic by inhibition to avoid the possible need of withdrawing any

The dose suggested for guidance is For children under 6 years a solution of 50 per cent 6 to 12 years, 55 to 65 per cent - these without preliminary medication 12 to 15 years the same with perhaps addition of morphine /r gr and atropine 1/200 from 15 years upward 75 per cent with preliminary medication according to the individual case 30 minutes before operat on and with usually chloretone 5 gr m ether 2 dr mixed with olive of 2 dr by rectum The preparation of the patient includes irrigation of the colo but not purging and rest in bed for two hours The technique is introduction of the oil ether solution by funnel and catheter to 3 or 4 inches within the rectum the nationt in the Sims position taking at least five minutes for eight ounces After the operation & pair of small rectal tubes are introduced and the colon irrigated with cold soamsud the about a to 4 oz of olive o l nly atroduced for retention

Heyd G.G: Rectal Amerithesia Techniq e for the Induction of O I Ether (Colon c) Amerithesia (Gwathmey) Post-God yle g 4 xxx 1xo By Surg Gyacc & Obst.

Heyd reports 30 cases of col mc il ether an authesia from the New York Post Graduate Hos-

putal Th techn qu now used as follows the preparation consist of mild lazative the night before operation but no purging sospauds eagen, a the morning and aline irrigatio of the

colon three hours before perition.

The contra indication are the same as for ether though bron bits asthmin and illness from former ether by inhalation are not a fund a ce. Diseases of the lower bowel considerable distress by the national or the introduction of the solution are

contra indications

The apparatus consists of mail c theter and
funnel for the oil ether solution and t o small
tubes for a thdrawing any of th solut n from the
rectum

One hour before perat on there a admin tered per rectum chioreto gr vc ethe a do ui fr of each drams to 4 one half hou before peration in injection of morphine g ½ 4 tropine gr 1/200—/100 is gi hypod matically. The mitture coasts of ohn oil 2 ounces either six ounces f neck anomic adults either 55-65 per cent oil 45 33 per cet 1 for hidder the 50 per cent oil 45 33 per cet 1 for hidder the 50

per cent in oil. With the patient in the Sans position the catheter is inserted 4 inches and the solution nigeted, taking at least 5 influites. The quantityused is 1 ounce to each 20 lbs of body weight. There should be a delay of 10 to 30 minutes before moving the patient.

The danger signals are loss of hd reflex stertor or embarrassed respiration approaching cyanosis When any of these are present 2 to 3 oz of the solu

ton should be withdrawn from the rectum

The post-operative treatment consists of im
mediate irrigation of the rectum with cold soapsuds then withdrawing one tube 2 to 4 oz of
olive oil and a pint to a quart of cold water should
be injected and the remaining tube withdrawn

Skillern Jr., P G On the Blocking of Infra-Orbital and Mental Nerves at Their Foramina to Induce Operative Anaesthesia in Their Cutaneous Distribution Surg Gync & Obst 1914. m 387 By Surg Gync & Obst

In certain operations upon the face local anextensi by subordernal infliration may be unlead the because of the close relation at some places of cartalage of thoms to the surface as well as of the disadvantage of working in the use made codematous by the injection. The distribution of the fifth energy to well defined territories and the emergence of some of the important branches from superficial formuna render nerve blocking an siteal method of ansisthess. The author describes the application and the method for the control of the superficial formunactive technique for the infra orbital and the methal nerves.

The first patient presented upon the lower half of the right aids of the nose just above the ala an indoest epithetions — rodert ulerr — the size of a thumbna! It was deceded to desceate the ulerr with the high frequency sparts. On account of the with the high frequency sparts. On account of the forming the foot of the ulerr inflictation was not forming the foot of the ulerr inflictation was not forming the foot of the ulerr inflictation was not forming the foot of the ulerr inflictation was not formed to the ulerry presided over by the maist branch of the infra orbital over the water deceded to block thus nerve at its mergence from the if for orbital canal. Using novocaine adrenation solution the needle of the syringe was directed to the infra orbital foramen: on below the losser margin of the orbit and midway between the canth. Paresthesia was obtained and the nerve blocked.

In order to determine th feasibility of infiltrating the nerve throughout the infra orbital canal Skillern injected the latter with methylene blue in a cadaver and found that it traveled back to the sphenomaxillary fossa. He suggests this wethod for the rehef of toothache and for painless extraction of teeth

The second case had to do with blocking of the mental nerv to anasthetize the lower lip for operation upon an ep thehomon at its cente Both mental nerves were reached at their foramina. The technique is described in detail. Had there been cervical lymph nodes to be temose di it would have

been feasible to have blocked the second cervical nerve at the middle of the posterno broder of the sternomastoid muscle. The author points out that the dental branches to the incisor and the cannue teeth may be blocked through the mental foramen and sance both nerves supply sur teeth genuine painless dentistry would be realized for nearly onefith of all the teeth and at least for the most sensitive ones. Toothache in any of the six may be readily releved.

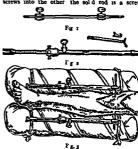
SURGICAL INSTRUMENTS AND APPARATUS

Onenu E. and Mathleu P: Apparatus for the Treatment of Fractures of the Leg (Apparell pour le traitment des fractures de jambe). P: se self 19 3: xx 98 By Journal de Chrurge Ouenu and Mathleu have moduled Lambret s

quenu and atatuse nave modified Lambret s
apparatus which consisted of two skewers transfiring the bone above and below the seat of the
fracture and in which reduction or shortening
was produced by withdrawing the two skewers
from each other along two rood jying parallel to the
ans of the limb They have modified both the
skewers and the lateral rook

Each skewer is a shaft of nickel platted steel 25 cm long varying in diameter up to as much as 6 mm One of its extremities ends in a bit 2 cm long with fine threads the other ends in a flattened head to be inserted into the auger

Each rod is composed of two shafts one of which screws into the other the sold rod is a screw



FI (Qué u and M then.) Siewer with I des to hold the hooks of the roy in place. The (Quém d'Mahleu) \ rod with int to immobilise the solid shalt a 1h hollow shalf. B mall hook to facilist at he rings of the barrel scree. Fig. 3 (Quéma and Mathieu). Quém and Math eu s prantists in position.

throughout its length with threads 2 mm apair and it is passed through the hollow shalt by a screw turning in a circular groot-e on the core ponding end of the hollow shalt. This screw is burrel shaped and has four thumb purces which facilitate its turning. The terminal end of each rnd has a hook, into the opening of which the skewer has

The accessory pieces include a si le f veil to the

skener by a pressure extent which holds the hool in position and prevents its being displaced inward or outward and a little guard which is accessed onto each pointed end of the skewers after the apparatus is in place.

I or the technique of application of the apparatus the reader is referred to the original article

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SURGERY OF THE HEAD AND NICK

HEAD

Frank, L.: Epilepsy Surgically Considered; a Preliminary Clinical Report Am J S g 19 4 xxvu 113 By Surg Cynec & Obst

The author divides epierny into the its octusion, types (1) the so-called it opathic executal or genume and (2) the secondary Jacksonan or raumatic. Neally all med and men agree that the proper course of treatment of a scon lavy policys is operative. However the more we asked to be a scone of the control of the secondary Jacksonan or asked to the control of the co

The method which the author usually follows is a two step operation. At the fars intuiting the cranium is opened and at the second eight to tend hay liter the dura is opened and exploration of the brain carried out. In a case which the author reports such an operation was perf inseed and the motor areas for the sam center the part size all affected was extended form deep I ollowing the operation the patient made a gradual but steady eccolory.

J. Il Script.

Kerrison P D.: Barany Theory of Cerebellar Localization: D agnostic val e I the Pointing Text in Cerebella Abbeen. Lay 1: p. 0:4 zzi 9 By Surg Cynec & Chai

In the diagnous of certelity abscess w thoused symptoms the application of the pointing it as no of value but before there can be applied a knowl after of the officer of t

to the right of the object. Stated as a rule the pointing deviation resulting from vestibular limit tion is invariably in the direction opposite to this of the indu ed hystagmus, it therefore corresponds with the direction of the falling tendency.

In suspected cerebell it disease the loss of pointing accuracy in both hands should be tested. If the symptom is present it will be found that the arm corresponding to the cerebellar I sion will regularly deviate outward while the opposite hand will con tinue to point with normal accu acs. This result should then be corroborated by test ng the react on to vestibular irritation when it will be found that in the presence of an induced pystagmus the affected arm does n t deviate in the opposite direction to the nystagmus but continues to deviate outward while the other arm deviates in the opposite direction-In a case reported by Barany in which these reset one were peri ctly illustrated f llowing execuation of the right cerebellar abscess the no mil not und accuracy of both arms becan e rormal but on testing the reaction to vestibular irritation the left arm deviated to the left while the right arm continued to point with normal accuracy

Banary hele eves that it is not acceptant centers in the cerebellar corn t a poll or tonus upon some particular point or its co trading muscle groups for effect of my levo func rully suppressing any one of these centers is equivalent to stimulating the proposing cent r and that the apparatuaged devait in a from n mail accuracy resulting from a real section of the section of the contract of the c

Barany at theory of the cause of the bowe phromonan as alolios. The postinances outs we pounnan as alolios. The postinances outs we pounal deviation which occurs as an occasional focal appropriate for circular as an occasional focal appropriate to the control of the cause by pressure upon the cutter; of cl. In the case of the wrist raboulde the nard tomose is go to the time abolished; the hand or arm in point of dominated by the still intact center for out at tomus and therefore desisters outward. When the abovers is excusted the pressure is relaved and the center regains in part its control of position sense in the joint involved. This partial restoration of functional activity is probably reinforced by the balancing of activity in the opposing center for outward tonus and reasoning by analogy it is also possible that the cerebrum may play some part in the correct arm movements in the vertical plane E. K. ARMSTRONG

Axhausen G Brain Puncture (Die Himpu ktion) Erg b d Chur u Orth p 9 3 vu 330
By Zentrulbl f d ges Chur u i Grenzgeh

A series of questions which the author addressed to the large hospitals showed that internists and neurologists and even surgeons were opposed to puncture of the ventricles. It was the aim of the author in his monograph to overcome this opposi tion After a short introduction he discusses the technique in detail the diagnostic value of the procedure depends on a thorough knowledge of it and following it carefully in all the details. The different modifications are discussed critically and the comparative value of the different instruments

used The author believes that puncture should be performed only when it is possible to follow it up immediately by trephining if necessary therefore it should be done only in the operating room for in some cases of abscess and harmorrhage it is necessary to trephine at once. Its g catest diag nostic value is in the local diagnosis of intracranial hamorrhage for by no means all of these cases are typical especially where there is also concussion or contus on of the brain or fracture of the skull The same thing is true in traumatic or lema. It makes the diagnosis of abscess easier and the author believes the danger of preading the infection is greatly exaggerated

Puncture should be practiced only with great caution in bra tumor for small hemotrhages from the fner blood vessel which cannot always be avoided may cause threatening ge eral pressure symptoms In the dagnosis of hydrocephalus internus it is equal to lumbar nuncture

The author is much in re restrained in his discuss on of the therapeut c effects except in hemor rhage. In evere supradural hamorrhage it can be use I as a pallist v treatment in rder to gain time for per t on I subdural effusions it often suffices of itself to a old the after effects. Costs.

NECK

Caldwell C L. Congenital Tumors of the Neck. La cet Ci Bs S rg Gynec & Obst.

The author discusses the mbryology of tumors f congental origin c mes to the conclusion that the rience addu i got to pro eth title lymphat ic cavities described by Veau and the jugular sacs d sc bed by Sab e but different i terpretations of the hist logi al facts and that in these lymphatic a ties-to perhaps more accur tely

speaking rugular sacs-we have the fortal anlagen which result by arrested evolution in the multi locular serous cysts, the nature and disposition of which correspond most accurately with that of these sacs. The absence of a true endothelial investment of these sacs or cysts may be explained on the theory of atrophy from intracvstic pressure

The author offers the following classification of congenital tumors of the neck

Location-Viedian-From thyroglossal duct from

accessory thyroid rests Lateral-Branchiogenic cysts multilocular serous

cysts teratomata branchiogenic carcinomata (\(\) olkmann) carotid body tumors Consistency — Solid — Teratomata branchiogenic

carcinoms caroud body tumors

Castic - Branchiogenic Ectodermic-dermoid entodermic mucoid entoectodermic-mucoder moid Serous cysts or mesodermical Multi locular cysts hygroma colli hydrocele colli cystic lymphangioma lymphocele

The case is reported of a boy 8 years of age who for three years had had a tumor which had been aspirated several times but had always returned. The tumor was located on the right side of the neck and extended from the mastord and external auditory meatus down to a finger a breadth from the clavicle at the junction of its middle and inner thirds and from almost the median line posteriorly to the middle of the right inferior maxilla in front The tumor was not tender and seemed to fluctuate throughout The aspirated fluid was straw-colored and hoiled starch solution treated with tincture of sodine was decolored by it. The tumor was removed by an incision through the skin over the border of the mandible It was found to be a multilocular serous cyst a lymphocele

LOWARD I CORVELL

I ersen T The Parathyroid Glands in Goiter and Basedow s Disease (Les glandes parathyro des dans le go tre t la maladie de Basedow) 1931

is Journ I de Ch rurgie

The parathyroid glands are independent organs having a special and necessary function. In the normal state there are two parathyroids on each side in 8: per cent of the cases in 9 per cent of the cases 3 and in others 5. The dimensions are on an average 6 x 4 x 2 millimeters. They are located alo g the posterior border of the thyroid gland and ar in relation with the branches of the inferior thyroid artery and the recurrent laryngeal nerve The location of the right recurrent nerve is somewhat different from that described by the classics It is more apt to be injured in operations for gotter than the left recurrent

Imong 25 cases of goster 22 of the specimens being from the cadas r and 3 of them from operation the author found four parathyroid glands in 14 cases or 56 per cent 3 m q cases 36 per cent 1 in one case and 5 in one case

In gotter the upper parathyro ds keep their normal portion in the lower o rea are d spiaced down ward by the growth of th theyout Ther sase is pract cally the same as in the normal condition Sometimes however there is an increase in length and breadth with a decrease in the chaess. There is no change evident in the microscopic structure.

In some spec mens from operation there have been recent brumorblases

In 5 cases of liasedows diasess he found 4 pata thyroids four t mes and 2 once Tre size and location of the puraltyroids four times and some of the size and location of the puraltyroids are the same as in size of the puraltyroids are the same as in size of the puraltyroids and the size of the size of the puraltyroids and the size of the size

tion often showed recent harmorthings.

In man as in anim is the total removal of the partity rough of a scauses fast I tetany. It is a question whether lea ang one prichyroid suffices to prevent tetang but its section that the organds are left it does not occur. In some cases the tetany is chronic and troph c disturb to extremely a strong and the production of the community of the strong and troph c disturb to extremely a strong the strong and troph c disturb to extremely a strong the strong and troph c disturb to extra the strong t

I regance an I tabor increase the senutreness to print which aboud be returned by the print which aboud be returned or operations for gotter on women. The author found parathypoids in the specimens which he examined in more than half the case of extraption and resection and in soon cases of exited atton of gotters. He only found them rately in cases of exited at ne resection.

cases of enticetar recection. The best operation for spring the parathy roul and avoiding lettary as a slight modification of an analysis of the state of the sta

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Judd C. S Fnd Results in Operations for Cancer of the Breast S rg G rc & Obst 0 4 u., 59 By 6 rg Gynec & Obst

Judd presents are new of the results of operations for mammary cancer in the Vapo cluste of This covers for Gasacs of whom it was possible to trace the sub-sequent histories in gut. In all the patients the operations were at leaf and consider in the removal operations were at leaf and consider in the removal uncluding the pectoralis may r and minor muscles, usually all in one pect. The distribution of the operations were more pectoral to the more recovery and the cases were mide from both microscopic and micro scopic sold me. Of the 66st patients is we enable after the operation and the other best at the end of 3 years a 64 months from resturence.

The joungest patient was 5 years of age and the oldest 85 years of gr By decades the r distribution was as follows

20 to 30 years of age	13
to to 40 years of age	+7
40 to 50 years of age	328
so to 60 years of age	147
60 to 70 years of age	89
70 to 80 years of age	27
So to go years of age	i

Of the 13 patients and r 30) cars of age 5 are abve and well without recurrence Of the 514 patients of whom the subsequent history is known 366 or 52 per cent are known to be dead though 21 If these died from ther causes with ut of nical ugas I recurrence of carcinoma I avi g a blanch of 47 per cent of deiths probably from cancer for the entire series. Of the 512 patients 245 are known to hive lived from 3 y cars for 12 years and 4 month 37 of there are known to have recur tences.

Of the patients operated on during the 3e is 1902 and 1003 40 have been traced 27 are known t be dead from various causes for in a percentage of 31 all e without recurrence more than 10 years. Three of those who dued hed more than 6 years.

and duel from other causes

Of the 321 patients operated a more than 5 cert
205 were tracted 45 we known to be dead and
106 hur g a percentage of 40 wh have heed must
than 5 cert Sur of the hing have recurrences at
present Fourteen of those dead have d ed from
other causes than cancer

Of the 510 patients operated on more than 3 years ago 437 ha e been it cell 234 are d id 191 hung a percentage [43 of printents hit; g more than 3) ars. Twenty-seven of these have recurrences at present. A eteen of those dead have died from other causes.

One case is reported of a patient who doed by cases and one not is first the print by operation from general carcinosis one from internal netwarts evaluator the call recurrence by cases and 5 months aft or operation for returence was done on whom a secondary operation for returence was done to the patient remained well nearly 3 years after the secondary operation of the learny 3 years after the secondary operation.

While noting the importance of an immediate radical operation after a diagnosis of carcinoma from a test specimen Judd notes that the delay in such procedure does not always necessarily mean

a bad prognosis

Concreely he notes that patients in whom
there is a very small mammary lesion without deter
minable glandular involvement may due of early
internal metastases. He notes that while ordema
of the itssues is usually a contra indication for

operation one patient in his series in whom the prognosis was bad because of ordema and yet who was operated on as a palliative measure is still alive

without recurrence 5 jears and 3 months later Juda notes that cancer in the lactating breast has usually been rapidly fatal A very large per centage of the patients heard from have reported that functionally their arms are practically as good as ever Juda hotes that when it has been necessary to destroy one of the motor nerves the function of the arm is much more apt to be impared. Not over 5 per cent of the cases have had swelling of the arm. His conclusions are as follows.

r Results in operations for cancer of the breast are as good if not better than results in operations for cancer elsewhere

The prognosis in younger people who received
the benefit of an early operation was better than
had been expected

3 The prognosis is variable in a certain per cent. An extensive external involvement may give a fair prognosis while a slight external lesion may terminate early from internal metastasis.

- 4. That metastass may occur many years after the operation, though in the great majority of in stances it will appear in the first few years if at all The difference between the percentage of patients living over 3 to 5 and 10 years is not as great as might be eyected but thus because most patients who due of the disease due within the first 3 or at least the first 5 years Living 5 years without recurrence means a very small probability of trouble after that
- 5 Comparing these results with those of former years, we feel that the results are improving and that the improvement seems due to the fact that patients are coming earlier for treatment rather than to any improvement or change in the technique.

MacCarty W. C. Clinical Suggestions Based upon a Study of Primary Secondary (Car cinoma?) and Tertiary or Migratory (Car

cinoma) Epitheli i Hyperplasia in the Breust S g G) cc 5 Ob 1 9 4 1 84
B) Surg Gynec. & Obst.

The mammary acusus consists of two rows of epithelial cells when the differentiated cells (inner row) and the undifferentiated cells outer row) are present the histologic picture may be spoken of as primary puthelial hyperplass. When the differentiated cells are absent and there remain only the hyperplastic undifferentiated cells of the

outer row the condition may be referred to as secondary epithelial hyperplasa. When the inse of demarcation between the hyperplastic unduffer entiated cells and the stroma is indefinite or absentiant and the epithelial cells appear in the peracenar stroma the condition may be spoken of as tertiary or migratory epithelial hyperplasas.

At present surgeous have no very definite method or standard of dealing with the doubtful group. Radical operations are sometimes done when they are not needed simply because the surgeon gives the patient the benefit of the doubt. The writer has occasionally seen carciomata.

excised for benign tumors

It seems that there should be a mean between the two extreme conditions and this mean should with the aid of a knowledge of the stages of epi thehal hyperplasas serve to scientifically solve the following problems

The percentage of cases of tertiary hyperplasia with or without glandular involvement which may be cured after an arbitrary period of ten years from

the time of radical operation

2 The percentage of cases of secondary hyper plassa which will remain well or recur after the removal of the mammary gland itself without the removal of the glands muscles and large amounts of skin

3 The percentage of cases with local chronic mastitudes or encapsulated conditions which return later with secondary or tertiary hyperplasia after local removal

The question for the surgeon to decide is whether or not he is willing to run the chance of local recurrence after sade local removal of a malignant condition followed by an extensive operation after microscopic examination or tale the credit of doing radical operation unnecessarily in an attempt toward conservatism. This with our present knowledge can be answered only by conscience and not by scientific data. The following plan suggests itself:

I The conditions which are associated with classical clinical signs of carcinoma should be treated radically

z The doubtful cases in women near or over

35 years of age should have the entire mammary gland removed for immediate examination if primary or secondary hyperplasa be present nothing more should be done if tertuary hyperplasas be present a rad cal operation should be performed.

3 In doubtful patients new or under 34 years of age a wide section of the mammary gland in cluding the pathological conditions should be removed for exam nation II primary hyperplass as persent nothing more should be done II secondary hyperplas has present the rest of the many partial properties of the present the rest of the properties of the properti

This plan avoids incision of tumors and removes the possibility of unnecessary radical operations. Clarkson F A Primary Endothelioma of the Picura C ned V 1st J to 4 I 192 By Surg Cynec & Obst

The author reports the following cas in detail A short discussion also accompan es the case history A young Laglishman 27 years old applied for insurance but was declined. His family history was good but his physician found duliness as high as the sixth rib with absence of breath sounds in the same region 1 month later the duliness reached the clavicle and a paration removed 80 or of straw colored fluid which contained no cellular elements and was negative on culture and inoculation Fi e weeks later the fluid re accumul ted in suff cient quantity to cause dyson ea and a second a peration drew off another 80 oz At the third operation three we ke later some blood was noted

in the a parated flu f The patient complained of po pain - in firt throughout the whole illness the absence of pain was a most striking feature. A slight cough give enough souturn for examinati n but no tubercle breill w re f and Calmette's reaction and later Morros were both negati Lp to this pen t in the discre there had been a fever the only subjective symptoms bei g slight dy pnan on exertion and progressive we kness the pati at

lost weight rapidly
Framination showed deferent movement ver the whole right side of the thorax Vocal framities and resonance were absent. Percussion note was dull as high as the second oil and above that Shodaic resonance Below the fourth rib no breath wounds were heard above breaths g w s distant bronchial, with course rales at the ind of imp cation. The left chest was hyper resonant and the breath sounds were puent The apex best was in the fifth interspace one half inch out aide the mammillary line. The sou is a n normal Posterunty Crocco a triangle c al i be marked out on the left side. The liver was at the umbil cus The splera was not pulpable I time a g to 9 no sugar or albumin lifood tref 1 500 000 whites

10 000 Portsons of the 1xth and executh ribs ere resected in the antenor a illury he 1 legs quantity of blood star ed il 1 escaped and the pleuril cavity w lined with innumerable fibrin nodules. A large sized from ge tube was intro duced from which flud was con tantly I charged at first sanguincous but t ar i the e d greenish The patient gradually graw water became re-markably emaciated i did i bout a months

after the symptome appared

It aut pay the right plura was found to be
thuckened (5 mm) and himb althere t to the ribe and sternum When this was do a led a large ragged cavity was declosed with many rou ded t go attached to the will (from t t 4 cm in diameter) as well as numer us tringy maves more less farmly connected a th the pl urs. The right lung was collapsed and a less but co tamed no new growth. The vi ceral pl ura covering it was of the same nature as the parietal—thickened and covered with re funculated tags. The only portion of the pleurs which could be separated at all easily was that part close to the anterior mediastinum. On desecting off the pleura the new growth was found to be of about the same h mogeneous color and consistency as a fresh-cut section of testicle Very Ir able and thicker in some portions than others the neoplasm seemed to be confined almost entirely to the inner surface of the pleura. Only in one place was there a lef nite nodule on the outer

Best les a chlisted stomach and a slightly enlarged splein all the other organs were in a normal and

healthy e ndition. Microscopical exam nation of sections of the thick ened pleura showed the new growth to be an en lo The pedunculated tags were almost thel oma entirely floring At no place could there be found evidence of the invasion of the n wegrowth into the surround ng tissue the li e of lemarcation between the lung an I pleura being always clear and well defined

TRACHEA AND LUNGS

Godler R L.: Foreign Bodles in the Air-Pausges. Ch & | J 19 4 alm 177
By Surg Gynec, & Obst

The question of foreign bod es in the air passages is I great importance to all but particularly to the gener I pract tioner upon whom rests the respond blity of an early largnous. The bronchoscope is not a diffcult instrument to use wh n one has become accust med to it. Stereoteonic alargrams are strongly utge I and it is eventual the they be taken in t taneou ly i order to clud the h art movements an i to climinate sh down due to glands inflammato y products and vessels. The presence I a foreign body may give rise to very few symptom though the prof ged or e en short residence a bronchus comm nly gi es rise to chronic bron

chitis and bronchicctusis The bron bi beyond the obstruction are ne er cle red of secretion which then becomes scretic. The utho long expense co has consince I him th t it a more comm n for the patient to forget the n id at which led to the presnce of the f reign body than to invent a tale

The most import at point I d tinction of foreign budges is whether they are or are not septic their own right finether ter tig distinct n is in regard to those bodies who heray where er they h ppen to at p a d those wh h at once tart on th ir migrati as the constant all reible mo m at or r g with every inspiration being responsible for the latt Ih. If cts of the jodgment of fore gn bodies in

the pres gas vary with the heart r of the floring body a 1 the point I lodgment A large piece of meat or some the a milar soft body

if impacted in the trachea quickly causes death A solid body that completely obstructs a main bronchus causes the whole lung to collapse and sentic disinteg ation follows A smooth solid body first sets up bronchiectasis in the part from which the involved bronchi come but the process may gradually extend to the whole base first of the affected lung and then of the other These cases are very hable to pneumonias hæmorrhages or amyloid disease and may at any time terminate in cerebral abscess. If the foreign body is putrid at the time or is one that can decompose the lung changes are much more acute a definite abscess often forming This class includes pieces of hone fragments of teeth and smaller particles easily set free in operations around the mouth and nasophar ynx It is not uncommon for these cases if unre heved to end in pulmonary tuberculosis

Formerly the accepted treatment was a tracheot omy through which various forms of catchers or forceps were used. The invention of a straight bronchoscope has revolutionized the treatment and it is now possible to introduce straight tubes into the secondary and even the smaller bronch: If it is found impossible to remove the foreign body with the bronchoscope passed through the glottis it is advisable to do a low tracheotomy and intro duce the bronchoscope through the wound Intra thoracic bronchotomy though difficult and danger ous has at times proved successful when simpler methods have failed Occasionally it may be ad visable to open the pleura and feel the lung if the body has passed into its substance. It is a much simpler procedure if one of the methods of securing ultimate inflation of the lungs is at hand. If the body is felt the lung must be fixed to the chest wall then incised and the foreign body extracted

E K ARMSTRONG

Benninghoff G E Traumatic Rupture of the Iung without Penetrating Wounds of the Thorax, with Citation of One Case I to at I S & 9 4 xxvu 46 By S rg Gynec & Obst

The author discusses the well recognized method of treating such axis and thinks that while o e cuse t too I mited to accept as anything positive eye when the ut ome to og ratifyingly inhibit that of the republy a piet plvin credit should be go not to the diff n; in thoo I the case follows. Hopstal fiftee in utten it rects ing. Brandord Hopstal fiftee in utten it rects ing many by the el of the hist or thall of a sagon atink gh m o r the uppe part and frout of the thorn. If was re pulpe pulse small and 22 respiration 4 nl v phallow temperature of 5 respiration 5

me him the pulse grew feeble and cyanosis began to show about the face neck and hands. The diagnosis of traumatic rupture of the lung was easily made also that he was fast succumbing to hæmorrhage

within the pleural cavity The patient was operated at once under chloro form anæsthesia A U-shaped incision was made beginning over the second rib two inches external to the right horder of the sternum, extending down ward six inches curving outward and upward and terminating just internal to the head of the humerus. The skin flap was dissected up uncovering the nectoral muscles as far as the second rib \ \\ ben the depression was uncovered blood and air escaped in large quantities Intravenous transfusion of physiological salt solution was begun simultaneously with the operation The ribs had been simply de pressed and spread apart. The second and third cartilages were separated with the knife turned outward over the right shoulder and held there by an assistant An enormous amount of blood clots was removed from the cavity. The lung was with drawn and the laceration was found extending trans versely across the middle lobe Blood was pouring from it in a continuous dark stream suture placed at the extreme inner angle of the laceration completely controlled the hamorrhage Four other sutures were placed and tied and after deflating the lung by gentle manual pressure at was returned into position The respirations were now 40 per minute but the patient had a good color and the pulse was 120 24 ounces of salt solution had been infused. The ribs were replaced the divided ends sutured and the muscles replaced and sutured together A large flanged rubber tube was inserted through the front of the chest wall in the third inter costal space between the sternum and the anterior arillary line and the skin sutured tightly around the tube. The entire operative field was covered with many layers of gauze a bandage loosely applied and the nations returned to bed

The entire operation was completed in thirty minutes At that time cyanosis had disappeared respiration was full and without effort and about 40 per minute The reaction was somewhat severe but no dangerous symptoms occurred The temperature twenty four hours after operat on was 101 which was the highest point reached during convalescence The dress as were I fred off the tube on the third day when serum was seen draining through the tube Percussion and auscultation revealed complete flat ness of the chest the lung was functionless. The tube was removed and the tissues fell to other com pl tely closing the opening into the pleural cavity. The lung began to inflate about the tenth day when percuss n indicated beginning absorption of the percuss it may acres becoming absorption or her fluid within the pleural cavity. Less than five months after the injury the lung was functionating perfectly except poss by a limited portion in the locality of the lacerated lung its u and the physical condition of the patient was perfect

POWID! C PER

Beckman F II : Decortication of the Lung for that I mpyems \arthu it Med 1014 \1 15 By Surg Cynec & Obst

The pathology of empy ma sh we that as soon as there is an accumulation of purulent material within the pleural cavity either local or gen ral nature regards it the same as an abscess in any other part of the body and attempts to I mit absorption

by walling it off

In operating on some of the late case this limiting memi rane has often been found to be fr m one half to nearly one inch in thicknes As the flui I accumulates in the pleural cavity the uny 1 1 ing wall of the thorax presents expan ion in the direction and room is found for the accumulate n by compres son of the lung. If the empyema has continued for any considerabl length I time this membrane is so resistant that the lung c anot re-expand after the flui I be been all well to escape by free mc non

It is evident then that if free drainage a cotal I she I before these adhesi as form or before they become from enough to hold the lung in a state of collapse the lung wo I lquickly obl terate th ca ity and the pat at be restored to health raps lls

This correspon is exactly to the results obtained with

free dramage in the early cases It should be remembered that empyerus is not a becase of the lung although pulm nary I sease an lempyema may ent at the same tim and that the pulmonary ties e 1 only alghtly or not at all in olved in the inflammat ry process in a very large majority of the cases. In the recognition of small empsema the relationsh p between pneumonia other infection and this second to infertio mut be remembered and a wat h kept if the dev lopm t of th gen ral ph nom na of infects a occurs or persists alt t the pneum nic r oth a infectious process has apparently subsided I un continuing afte the ries i pn um ma in a certum local zed area although it may not be se-re and ar ompanied by a septic temperature. Imost surely | die tes a localized empyema | The local aa tion of the pus can oft a be determined by the pain and localized ten kenes on the wall of the

chest The a parating needle is often of the utmost service in arriving at a correct liagnost in these t ses While warnings re gi in by many writers of the dangers that may occu from troduct g a ec lle into the pl ural cavity th uther believes that the gain from it use in the matter of arming at an early d gnos s is gre ter than th danger that m v result from a late ret grution f empyema

I rad ogram of the chest is of great value in atriving 1 a correct diagnosis in obscure cas although it is often an atremely difficult an I some times an impossible ta L to let rmine whi th picture shows It must be kept in min I that the ray picture 1 the reproduction of a stadow and that a thickened pleura may calt as dense a shadow as an accumulation of flu d

HEART AND VASCULAR SYSTEM

Blechmann G: Clinical and Therapeutic Study of Pericardial Islu ion: Marian's Epigastric Punctuee (Les épanchement d per carde Er de ch que et (hérapeutiq traque d Mari n) 74 La proction épigas-By I surnal de Ch ruegle

Blechmann a work is based on about 100 cases sout of them his own in the hospitals of Lond r He shows the frequency with which perirarditis with effusion is unrusgamed for arrong 4892 autors es fluid was foun I in the pencard um ree times. Almost half the cases are four I in inde I in als less than 15 years of I and more than half of the cases in ch I leen are in those less thin g years of age He revi we the symptoms described by the class ca and fin is that most of them are frexact or moon

stant to treatment he maintains that the usual method of puncturing the pencardium results in puncturing the cleura or the beart. He believes that Mari'n s method is the most rational the a m plest and safest method of puncture. A small troc r or needle for lumbar puncture is passed in immed stely below the alphoid cart lage in the med an I ne It I directed obliquity from below utwarf pa il g for a cm along the posterior surface of the sternum It is then directed som what of quily backward passing into the gst in the ternal insertion of the disphraum menne the pericar is must its base. With this method fe has been at lenarly to principle the same patient a times

I cricardotomy is discussed and the author is iles that Larrey s method is the best. In this method a left subchondrocostal incision gives easy at rest to the pericardium by the ep gastric rou e especially in the liren. It produces a minimum degree of traumatism. It does not involve the pleurs and it assures perfect drainage t the lowest

po nt-th only way that is really rational The operative in heations in pericard 1 effusions are go n a follows Scrous effer n acute infec tious t air or mechanical puncture tule reular u cture or pericardot my with ut drainage hamorrh gic p neture purulent pencanlolomy

with dia nace

The life of the patient depends on early operation It i letter to operate too arly an i to extensi ely thin too late or not extensively enough. If gives tables f tata ties showing the tespects e alue of puncture and perscardotomy and the results of treatment of purulent percarditis an I concludes with a resume of 40 cases and a hibliographic index of a tnles

Deforme E. Symptoms and Diag onl of Adhesion between the Hen t nd Fericardium (Des supers 1 d diagnostic de la symbise cardopénicardique) Gas d hôp q 4 let 47 py Journ 1 de Chiungie

If dhesions of the he is and pericardium are to be treated surgically the surgeo must tudy its symptoms This has been one of the most disputed fields in medicine but radiography has simplified it somewhat The symptoms are determined by inspection percussion and auscultation

Inspection shows (t) disappearance of the apex beat (2) undulatory movements of the precordial wall (3) retreat of the apex on systole (4) retrac tion of the lower costal and epigastric regions on

Percussion shows increase of the area of cardiac duliness and lack of change in it during respiratory movements and change of position of the patient fixation of the apex and some signs of less impor

tance The information furnished by auscultation is not of great value but gallop rhythm duplication of the second sound paradoxical pulse and swelling of the jugulars on respiration are worth retaining

The chief pathognomome signs of adhesion at present are the lack of variation in the cardiac dull pess and the fixation of the apex Specialists in heart diseases say that the diagnosis can be made from them alone The other signs mentioned only

Unfortunately the information furnished by radiography is not sufficient to distinguish absolutely between the cases of pure adhesion in which freeing of the adhesions surgically brings relief and the complicated cases There are some signs however which may be regarded as indicating simple adhesions among them are (1) shadows of the surface of the heart without extension to the rest of the boundary between the pencardium and

pleura (2) immobility of the boundaries of the

heart (1) disappearance of the diaphragmatic sinus (4) immobility of the apex (5) constancy in the form of the radioscopic picture of the heart during respiratory movements (6) absence of positive and almost pathognomonic signs of complicated sym physis, such as the disappearance of the clear retrosternal and retrocardiac clear spaces which indicates mediastinitis (7) a combination of the signs of simple adhesion

Delorme emphasizes the importance of absence of the signs of complicated adhesions | DUMONT

PHARYNX AND ŒSOPHAGUS

Kyle D B Removal from the Caophagus by Means of an (Esophagoscope of a Plate of False Teeth Embedded for Eighteen Years Lary gescope 914 xxiv 185
By Surg Gynec, & Obst

The removal of a foreign body embedled for eighteen years is entirely different from the removal of a body recently embedded because of the or ganization of fibrous tissue together with curvature of the spine which render the foreign body exceed ingly difficult to locate In the case reported there had been dysphagia and progressive loss of weight over a considerable period. An V ray showed the plate to be behind the cricoid cartilage. After three unsuccessful attempts it was finally removed with a long biting forceps through a Kahler oscophago scope Very little hamorrhage or soreness followed the operation but there was still considerable diffi culty in swallowing due to loss of tone of the œsophageal mus les L K ARM LEGAC

SURGERY OF THE ABDOMEN

ABDOMINAL WALL AND PERITONEUM Lediard II A Cases of Chvilform Effusion

an J 014 xh 35 By S rg Gynec & Obst The author reports 4 cases of chyliform effusion

the first associated with probable tuberculosis the second with Hodge ns disease the third with heart and liver disease an I the last was a case with CARCEL The first case the author thinks most interesting

It is that of a boy about 18 years of age who since the age of five and one half years had suffered with several attacks of abdom nal pain which were d ag nosed as tuberculosis a th abdomen He was emacated and the abdomen was greatly distended this distention had been present for 6 years. At the date of operation the patient had a temperature of 10 6 I and was suffer g from diarrhora and pressure symptoms from the abdominal distention

When the abdomen was opened for drainage 6 pints of a milky fluid escaped and a dramage tube was introduced. The fluid was alkaline in reaction and contained o 6 lbumin and o 2 fat

Death resulted from collapse 21 days after opera tion 'it autopsy the peritoneum was found to be studded with miliary tubercles. The mesenteric glands were all very much enlarged and in the region of the pancreas in the midline there was a mass of glands and fibrous tissue one and one half inches The receptaculum chyls was obliterated by the mass The thoracic duct seemed normal The lacteals in the mesentery were much dilated but no rupture was found Microscopic examina tion of the glands revealed tuberculous with a marked thickening of the lymphatic channels D ath was due to tuberculous meningitis

The second case was that of a girl about 18 years old who presented in general a picture similar to the first In this case the thoracic duct was com pressed by a group of glands in the left side of the neck

In the third case chyldorm ascitic fluid was found in a patient of 38 years with mitral disease

autopsy was obtained The fourth case was that of a woman from whom mal gnant ovarian cysts had been removed. The author believes that fatty degeneration of the

cancer-cells caused the milky appearance of the fluid PUCENE CARD

GASTRO-INTESTINAL TRACT

Deave J B Gastric Hæmorrhage S & G nec & Obst 914 21 294 By S rg Gynec & Obst

Cases of gastric hemorrhage fall into two groups the surgical and the non surgical or medical. It is as great a metale to operate on non surgical cases as it is to withhold operation in surgical bleeding. Successful treatment demands a high degree of diagnostic skill in deciding for or against operation.

Blood which is vomited does not always mean gastine bemorrhage. There is hemorrhage from the phatynx or respiratory tract the blood being swal loved and then vomited and hamatemess in hemorrhage inflammation of the bulary tract the blood reaching the duodenum through the common duct and then regurnated into the stomator.

Profuse and even datal hematemeans without demonstrable ulteration of the atomach has been observed both at autopsy and at operation. The author has observed a case by gastrotomy in she, the shole mucosa was intensely red and thick and bled at the slightest touch. Such a condution may be considered as a hemorrhagic gastrains and is probably the result of an intense acute infection of the mucosa though it may be due solely to an unknown touck cause.

Ilamorthage more or less acute may result from the typical acute peptic ulcer. Such hamorthage is rarely fatal the vex-sels opened being small and their walls still being soft and normal permit the formation of an occl ding clot as blood pressure

is reduced by harmorrhage

In chronic ulcer the vissels eroded may be larger as a result of a sciency in Inflammatory process the vissel wall is rigid and incapable of contraction. When hammorhage is the result of seoplasm it is rarely remediable by surgery. Operation may be indicated in againt cearunous when hamorrhage chances to be an early symptom or I may be indicated in advanced cancer when hamorrhage is oppoliuse and persistent as to shorten even the period of prognosis given to cancer. The measures to be adopted are excisi in gastro-enterostomy or ejunostomy in accordance with the pathology

of this sort will be excess vely rare as he is greatly opposed to operations being done on cases which are inoperable from the standpoint of c reference of the configuration of the settled (i) The recognition of suitable cases (2) the time of operation (3) the type of operation to be proposed, (4) the proof of the decision by mortality formed, (4) the proof of the decision by mortality

ound at operation In the author's opin on cases

statistics

Nicolaysen J: The Value of Gluzin ki a Test in the D agnosis of Gastric Ulcer Tr Am S I As: h 1 1914 April By 5 rg Gyncc & Obst

Rocher in 1912 recommended Glumaski's test as a means of making the differential diagnosis between picer and cancer of the tom ch. Ulcer is as a rule accompanied by hyperacidity which cancer valtended by an atrophic catarrh which causes the disappearance of the free hydrochone and When cancer develops with an inter as a basis there may be demonstrated in an early sign of the disease an insufficiency of function of the stomach to produce hydrochloric scid. This is shown by groung two test meals one following immediately upon the other. While the amount of free HCI will increase from the first hight met the second heavier (heef) one in cases of ulcer it will decrease in cases of cancer of the ptompat.

will ofcrease in cases of cancer of the stomach. The author and his assistant Gondrahl have camined 86 cases of ulcer of the stomach and cases are supported to the case of cancer only two had free HGI in the gastine contents. These gave Gluznakis reaction to wit the amount of free HGI decreased in the second meal but the same insufficiency of function was also found in cases of gastro-interoptous and pronounced increase in the amount of free HGI in the second meal had been considered to the cases of gastro-interoptous as also found in cases of gastro-interoptous and pronounced increase in the amount of free HGI in the second meal. This phonomenon may be used ulcer and other disease of the gatto untestinal canal which cause dyspects.

In two cases referred from the medical ward a the diagnosis of callous ulcer there was no incre se in the amount of feee HCI and no ulcer was found by the operation—only adhesions which had given are to the dysopetic symptoms. Glusinasis sractions reliable nevertheless its result is to be considered only as a symptom which must be judged

in conjunction with the other symptoms and the

Graham C Observations on Peptic Ulcers.

Bosto M & S J o 4 clx 2

By Surg Gyace. 4 Obst

The author presents notes on all cases of students and gastrae ulers operated upon at the Mayo chanc during the years 1006 to 1011. It is often discuss to the students of the stomach or doubtenum from lessons 1 volving the organs, but a carroing at a correct diagnosis. The physical examination laboritory findings and X ray combined are on a valuable as the chincal lastory.

The periodicity f the attacks is typical in peptic licers. The patient usually has everal attacks of gastine distress listing for days or weeks and then disappearing the atternal being marked by postently good health. Each track is characterized by gastine distress vocating etc. which appear disaly times the patient has suffered for years until finally be in forced to seek relief.

During the ttack, par is the most common symptom. It comes on regularly one-half to four hours after eating is relieved by esting vogating alkalies or la age. The location of the pain and its

radiation is of very much less import than is the time of its appearance and the means which reheve The time of the appearance of the pain depends largely on the location of the ulcer

Comiting is more common in ulcers of the stomach than in ulcers of the duodenum or pylorus unless some complication-e g obstruction-is present

There are four groups of cases where it is especially difficult to diagnose the presence of an ulcer (1) Patients sometimes give a typical history of gall stones and no history of ulcer can be obtained (2) Patients may give no history of previous gastric distress and the first manifest symptoms are those of chronic ulcer with complications - hamorrhage perforation etc (3) Patients may have very acute symptoms which are exceedingly distressing and which so overshadow any previous distress that the old trouble is forgotten (4) Patients whose general

condition would point toward malignancy J H SKILES

Scudder C. L. Stenosis of the Pylorus in Infancy Ann S , Phila 914 h By Surg Gymec, & Obst

The author treats the subject in four ways (1) A systematic statement of the facts concerned (2) reasons for surgical treatment (3) a considerat on of two problems encountered and (4) a review of

cases I (a) Pathology A smooth firm non ad herent pylone tumor is always present narrowing the lumen of the pylorus It is an overgrowth of muscle tissue and not dependent on muscular

spasm

(b) Etrology It is congenital because (1) it is often found at the third fortal month (2) symptoms appear soon after birth (3) it is frequently accom panied by club foot and imperforate anus and (4) it often contains Brunner a glands

(c) Symptoms Loss of appetite persistent projectile vomiting small bowel passages progressive loss of weight visible peristalsis from left to right across the upper abdomen and palpable tumor in 60 to 80 per cent of cases

(d) Diagnosis The X ray is the chief aid in differentiating this cond tion from serious cases of pylone spasm otherwise the diagnosis should be comparat vely easy

(A) P mosts The mortality is high and the

length of time a baby will live depends on the degree of stenosis

2 Medical treatme t can cure spasm of the pylorus but utterly fails in true obstruction giving an estimated mort lity of 80 to 90 per cent

The first seven years of surgical interference was necessarily unsettled and gave a mortality of 46 5 per cent In the last seven years posterior gastroenterostomy has been ccepted as the operation of choice a d to-day the mortal ty is about 13 8 per cent depending a g eat deal on the baby s condition at the time of operation

3 The two problems are () the effect of gastro-

enterestomy upon the metabolism of the body and (2) the ultimate end of the muscular tumor

The author together with Talbot of Boston has found that gastro enterostomy has absolutely no deleterious effects on bodily metabolism and normal development. He also concludes from different sources that the tumor probably persists and does

not disappear 4 In conclusion a report is given of seventeen cases operated on by the author which bears out in detail his theories and statements

PHILLIPS M CRUSE.

Lerche W Spastic Tumor of the Paloric Canal and Other Spastic Conditions of the Stomach Their Surg cal Treatment S & Gy & & Ob! 0 4 vvn 358 By Surg Gynec & Obst Ob 1 9 4 TVIL 358

The author first gives a brief review of the anat omy of the stomach which shows how the various anatomists differ in their description and nom a clature Particular attention is called to the pylone canal A brief historical review is given of the movements of the stomach with a report of six cases tepresenting various forms of spastic contraction of that organ Three of the cases are of the so called idiopathic variety i e no cause in or about the stomach could be found to account for the condition

In the first case the patient had had pain in the epigastrium and had felt a lump above the umbilious for three months The hard tumor was always found present and of the same size on each of a number of examinations At operation the tumor was found to involve the pylone canal The pylone end of the stomach was resected and on examination of the specimen no pathologic changes were found The author considers this case analogous to the so-called congenital stenosis of the pyloru the new born

In the second case the patient had been troubled with much vomiting and distention of the stomach in childhood. Later there was sour stomach nausea vomiting and epigastric pain upon which prolonged rest in bed diet etc. had no influence At operation a spastic pylorus with a hyertrophied sphincter was found Posterior gastro enterostomy with occlusion of the pylorus was done after Wilms

The third was a case of chronic cardiospasm of many years standing complicated by acute pyloro spasm with enormous di tention of the stomach A posterior gastro-enterostomy was performed and the cardiac end of the coophagus stretched

Case four was a spastic hour-glass stomach caused by pressure from a dermoid cyst situated under the umbilicus

The fifth case was a combined cicatricial and spastic hour glass stomach caused by ulcer

The patient in the sixth case had numerous attacks of pylorospasm with enormous distention of the stomach after swallowing a large number of pebbles

The author reaches the following conclusions

t A universal description and nomenclature of

the stomach acceptable to the anatomists physiciogusts clinicians and \rav workers would be desiral le

The pyloric carri has an important physiologic cal furction an lits pathology is of int rest 3 There seems to be a resemblance functionally

between the pylone can't an I the lower end of the

4 pastic contraction at diff rent parts of the stomach may take place even where there is no augmentation of muscle fibers to f rm a sphincter The contracted part may form a tumor of cartilage rous handness

s Id sathie spastic contractions may occur In the different parts of the tomach 6 The rersous apparatu (the stomach is a

very important la to in the patholom of the torgan Cope 5 7 : The La ly Diagnost and Treatment of Ruptured Intestine Fre E + SA U 1 Surg Sect 86 By S rg Cyrec & Ch t

Traumatic runture of the intestine without any wound of the abdominal wall to often a ry difficult of diagrosis and yet f r successful outcome an

early disense, is imperative The symptoms in the o der of their import ne are as follows I am is con tant except n ry few of the cases and in the se there is u unle some ther sign which points t ward the correct d g on a Pain is demon trated t f rwavs sion of the counten are mis be an int 1) han is complimed of at the see f the le ar I graduall extends (4) pain may be a Leil b erp tres re over the ait of the le 100 and a) man 1 the pel se pentoneum is felt by reet 1 am rati n t be pa nful on pressure

I miting is a frequent and impo 1 1 s mp m and if conjouned with a unit quite larger to no gh to ju tify operation The wormt gof blous matter

is a id to be especially significant

D tention is a late sympt m I per touris and shoul I not be wa ted for Diminution i the h r duliness is a motom which shoul | ne r be waited for Restlessness is often foun | with intest nal rupture lut it also occurs with many othe i tra abd minal conditions Superficial respiratio t the becau e of the pain which ensure if a deep t reath is taken It signs of free flut f are not usually present in the early period Rigidity is an early and saluable symptom

Provided ther re no chest complications and that renal trauma is excluded the author ail ocates oren g the abdomen on the susperon of ruptured

intest el the f flowing conditions When severe abdom al pan person for more

than ere hours afte an t ; ry if the pa n be accom panied by either () som ing especial'i I hous somiting or (b) a pulse gradually rising from the norm) or (c) persistent local rigidity tending to extend or (d) deep local tendern with shallow respiration

2 When abdominal pain is absent or very shelt. but the pulse rises stead ly hour by hour and the patien is very latters or restless

Of course the advent of any of the typical men of extensive pentorius or hamorrhage would make

immediate operation imperative

In the treatment of rupture of the irtes in the greatest amount of discussion centers about o questions (1) What measures should be taken toward cleaning the pentoneum? and (2) Should drainage be med?

From a revy w of a consi ferable series of cases the author comes to the following concluions That irrection with saline solution is inulvisable in cases that are operated on early and that with late cases at does not seem to affect the patient whe her striggt on is use I or not (2) that drainage is probabl the salest plan. I II Sants

Case J T Na Observations on Colonic Peri at fele and Antiperi taleis, with Special Refer et lile and Antiperi talen M. d. Rec. 1014 ence to th Heocolic Val. e. M. d. Rec. 1014 By S. tg. Cva. c. & Out.

O ng to the abundant material afforded him as rontgen logist to the Battle Creek Cantanum, and to it Luk a Hosp tal, Case has examined in the is t thereon morths, t 500 inclusions by means of th X ray following a b muth meal. By reas of memoranda dictated at the moment by rout geno-tar's or by tracings he has recorded the to I res in over to cases in which visible perstalue wayes ha e actually been seen dun g the fluoros spic screen examination

In a cases antiperital a was observed a t pen taltic w yes in most cases originate in the tr no cree colon ne r the bepatic feature proceeding toward th excum usually d preaming at a point orresponding approximat by with the peocolic Ant pen talse ha also been seen bow tante e r n the disc pdu a culon especially in cases

I bn n acute bowel obstruction Case a beer ations onvince him of the e istence of a 1 n c co traction it g in the right hall of the trasense colo Da ct locat n of this tome ith the to city of the pro mil colon fing vane bet u uall it at point rear th middle of the

right half fith it time rie colon

Ih writ r g t lis att ation to a phenomenon re touch described by him as a gra of senous bo I have to an exaggerated ant penstaber. ry we of carcinoms of the culon he has Ι'n studed the present lexaggerated ant peristalist has been ell at it has occurred a all part of the I exaggerated ant peristalus colon It h s also been recognized in spastic con stipati and it ben go obstru tions of the bo e In ev 13 case follo ing leosigmoidostomy studied

by the writer retrograde pen t bis was observed in the left half of the colon.

Mass peristable waves first described by Holaknecht who reported to cases are further studied

by Case and during the last aixteen months he has seen mass peristaltic mo ments in 37 different undwiduals The bowel contents suddenly loss ther haustral markings and are formed into their haustral markings and are formed into an cond sausage-shaped mass with perfectly smooth edge rounded at the ends. This mass travels at about twice the rate of peristalic waves in the stomach the datance traveled varying from three to four inches to several feet. After coming to rest the mass regions at haustral markings the time required for the reappearance depending upon the consistency of the bowel contents — quickly if the content is of firmer convisited;

content is of firmer consistency
Massage and mechanical whoration were carefully
studied in a number of cases The immediate effects observed have been a deepening of the haustral
contractions and sometimes the appearance of
antiperi taltic waves The conclusion was reached
that the well recognized favorable influence or
massage and mechanical whetation on bowel molitily
must be produced indirectly the produced indirectly
must be produced indirectly the produced indirectly
must be produced indirectly the produce and
study mechanical whetation on bowel molitily
must be produced indirectly the produce and
study mechanical pressure of the bowel contents
oward. To produce any true electrical stimulation
a bipolar electrode must be employed

Case gives special attention to the study of the function of the islocotic valve believing that our present knowledge of the antiperistalit c function of the colon demands all the more a recognition of the normal competency of the islocotic valve. In the 1 500 cases above referred to incompetency of the islocotic valve was found in nearly 310 instances or one in av. Such a large proportion of incompetent islocotic valve cases is explained by the fact that the 500 cases were gastro intestinal cases submitted for bamuth meal study all he not the presence of islocotic valve incomposition of rules.

expected in a relatively large proportion of cases. Case emphasizes the first that the old idea that insufficiency of the elecocite val exproduced during froca is erroneous and that on the contrary in most cases the opposite condition is present vix constiguation. Fresent knowledge of the antiperastalize phenomena in the colon makes it easy to produce the proposition of the proposition of found rather than hypermoditivy when relivat from the colon into the ilcum a no longer prevented by a competent lecoclus alve.

While it is generally recognized that rectal all mentation is on the whole unsatisfactory there are enough cases of successful rectal alimentation to warrant the continuance of the practice. Case believes that these instances of rectal alimentation recases of eleconic value incompetency.

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LIVER, PANCREAS AND SPLEEN

Mann A T A Rubber Tube in the Reconstruction of an Obliterated Bile Duct S g Gy & Obl 0 un, 3 6 By Surg Gyner & Obst A rubber tube was used in a source account.

A rubber tube was used in a young woman of 28 years in whom the common bile duct had become obliterated as the result of excitical contraction

following infection and sloughing due to gall-stones removed together with the gall bladder at a previous operation two years before.

About four months after leaving the hospital a slight paundice began which gradually despensed and changed in type until the patient had the heromed color of a Mongolian At the second operation all landmarks in the region were found obliterated by rather dense adhesions "Othline was left of the common duct except a little thickened

connective tissue

One end of a ¼ inch rubber tube 13¼ inches long
was inserted into the convex surface of the mobilized
docdenum which was then inverted by three circular
linen sutures as in the Kader Senn operation for
sastrostomy to form a papilla which might later
act as a valve and close under the intraduodenal
pressure dumny perstals and to prevent regurgitapressure dumny perstals and to prevent regurgitapressure dumny perstals and to prevent regurgitation of the ducts. The other cod was unserted through an
incusion into the stump of the common hepatic
duct. The duodenum and the hepatic stump together with the surrounding connective tissue were
approximated with two matterss statches one on
either side. A drain of rubber tissue was inserted
either side. A drain of rubber tissue was inserted

down to the region but not into actual contact.

Tive months after operation the patient had gained 33 pounds had lost her deep jaundice and the whites of her eyes were clear. X ray showed that the tube had been passed.

Hutchison R and Bland Sutton J Discussion on Enl rement of the Spleen in Children Prec R y See Hed 914 Sect Dis Children 41 By Surg Gynec & Obst

Hurchisov opens the discussion by suggesting the following grouping of this condition I Tumors

2 Infections typhoid ulcerative endocarditis malana tuberculosis lymphadenoms chronic arthritis

3 Chronic enous congestion 4 Metabolic disorders

5 Blood diseases leukæmias, chloroma con genital snæmia with splenomegaly and jaundice

6 Spleme anzems of adult type
7 Syphilite in infancy in childhood
8 Splemomegaly with acholuric jaundice

Splenomegaly with cirrhosis of liver
 Portal cirrhos s

b Bil ary cirrhosis
c Syphil tic cirrhosis
d Bant a disease

Congenital obliteration of the bile-ducts a It will be not ced the classification is mainly a clinical one without any pretense of being strictly logical and that there is some overlapping between the different groups

Hutchison does not believe that syphilis plays a very important part in the etiology of this condition He also believes that splenectomy is curative in 30

cases of splenic anamus of the adult type and in acholure jaundice though the comparatively benign course of the latter renders it questionable whether operation is ju tified unless under exceptional execumatances

BLAN SUTTOV discusses the pre-ent knowledge texpt ing the function and pritology of the spleen lie sistes that intie is definitely known of the physiol g and pathology but still a working hypothese is n n available for the surgeon. The catagogy learn account it with numerical reduction for the properties of the properties of the proference of the properties of the properties of the following the properties of the properties of the entargement is due to the accumulations of the

enargement is due to the accumulation of the products of hamby is which produces an achaburajaunduce. Crant spleens an i wan lenng spleens in adolescents are the result of changes which began during inflarcy and lowly progress with the growth and development of the patient. The author exes a ruse in which solencetomy curred the condition

While his facts are few Bland Sutton believes that the sphern may be removed from children without Interfering with their growth or development. He clies a patient operated at 5 years of are who developed normally an I is now in the best of health it 8 years later. The technique of the

operation is briefly described

The most estraordinary feature connected with
spinerectiony is the rapid to with which the normal
numerical proportion of the red cornoscies is a

estal lished—sometimes in a few weels. The monal of a fewkent capteen always ends in disaster. St THEREAS STATES that SURGES procedure in splinic anaemia of infancy have gone abade of pathological knowledge for the exact nature of the disease is not yet known Splenctomy claim means the relief of all 55 mptones and cure of the

There seems to be some familial tendency a spl nic anemia. The symptoms are sufficiently lefinite to establish a hagnosis after the first stage has passed Whil op n ons lifter as to the nature of the beerse and the disturbance produced Suther land believes it is due to an excessive lestruction of the blood cells in the spleen The blood vessels in such a st leen are markedly dilated and the organ may be said to be inchriated with the explorance of its own blood supply an I causes a destruction of the blood corpusci s It is assumed that there is not necessar ly any d scare in the soleen but only a listurbance in certain of its functions from hyper amia This accounts for the varying conditions present in family cases. The congential delect may be referred to the vascular supply of the splees and according to the degree of that delect some cases ha e n symptoms others are m lily affected while suil others show progressive symptoms le iding to death from excessive blood destruction. The author then briefly cites two cases cuted by

I' WARD L. CORNELL.

SURGERY OF THE EXTREMITIES

splenectomy

DISEASES OF BONES JOINTS, MUSCLES, ETC GENERAL CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

Cohn I and Mann G Outcogenetic Function of Perioetecum a d Bone Transplants 5 uters II 3 19 4 11 th By Surg Cynec & Obst. Market By Surg Cynec & Obst. Market By Surg Cynec & Obst. Market By Surg Cynec & Obst.

Mer briefly it tening the theories which have been held regarding the regeneration of bone the authors summ rise the information which has been obtained from their experimental work.

Tre bone transplants musts perusteum pl ced in muscle omentum spleen this road gland and the anternor chamber of the cyc have shown active ciklence of productation of new bone. The transplant into the anter or chamber of the eye was done more than nane months ago. In no instance has the transplant been absorbed.

Perosteum has been trumplanted as a hand arround the catoud artery min muscle and into anterior chamber of the cy and in so instance did it show an ostrogenet c function. Before arrifact as a band arround the arrey the vessel as a crystal and the arroy that the control of the translator arrows and the arroy to the control of the translator arrows and the control of the lumen of the vessel

That perosteum is not essential for the repair of edictics in bone seems clearly prove to be an expenient in which both tibuse of an animal were instead. On one and the periodicum assimpted into the lone in the hone in the neighborhood. I his fractive on the other six the periodicum was left intait I mon resulted on both sides. Further expenients along this lines are being conducted by the

It present the a thors believe in the osteographic function of the free bone transplant that per osterum has no cost or it function but that it is a contract; e transc t be in which centers of conficuon are laid do Periosteum as a limiting membrane and a source of blood supply for bone

Désé F I aperim ntal Echinococcus of Rons (Échinococcore oucuse spérm tale) C mil rend Sec é del l'ur p14 tvs. 178 By Journ i de Chruspe

In a pre sou n t Desé has published a case of experimental echinococcus of bone a double hyd ut cyst of the sup; sor and infero maralla. resulting from an injection of echinococcus mine the periphera end of the common carot of By a new expension of the same kind he obta et a mothe rabbit a

double hydatid cyst of the scapula. One of the cysts was developed in the periosteum the other in bone tussue being moulded to the form of the intercommunicating all-colar cavities. The periosteal localization is new and hitherto unknown to pathologists. D at says.

pathologists D sé says P EREF CRUET

Fassett: Cardinal Principles in the Management
of Bone Tuberculosis Northesti Med que, vi

35 By S rg. Cynec & Obse Collect Relative to the management of bone tuberculosis Fassett says that early and accurate diagnosis is necessiry for its successful treatment. The most important sign of bone tuberculosis is involuntary

muscle spasm which limits the motion of the joint' Fassett emphasizes the fact that repeatedly the condition is termed rheumati m because of the mother's statement that the child is run down and acts stiff or limps the family doctor apparently

thinking it of little significance

He states that bone tuberculoss without mixed infection shows but slight increase if any over the normal temperature of children. Co ditions mistaken for tuberculosis have been ostcomyelitis chrome infectious arthritis arthritis deformans and developmental subnormalities.

I assett divides the treatment into six divisions (i) rest (2) the prevention of deformity (3) fresh arr (4) good food (5) the prevention of mixed infection and (6) operation when necessary

Casts braces or recumbency with tractors are restful and contribute to a general physical gain with a reduction of towns introduced into the circulation

lation

Rest and suitable fixation at the right time will

prevent deformity

The bad results of bone tuberculosis are far less than those following mixed infection

The author a hocates the use of the trocar with septuc case thus preve tag mixed infection Repeated ex cuations are necessary. No tuber culous joi is should be incosed unless there is an absolute indication for uch treatment. The best results hae been by the fixation and hygemic treatment. The operation of Lange Albee and Ilhibb have gamed fo also.

Fassett deplores the so called scraps g of the bone which ha n place in the treatment of tuberculosis Jone H Susw

Kidner F.C. Diagnosis and Treatment of Chronic Non Tubercular Joint Diseases—Rheumatism J. Mick St. W. Soc. 9, 4 60

By Surg Cynec & Obst
The author grees a brief resumé f the sympt ms
and treatm t of (1) fectious (2) atrophic and
(3) hype trophic arthriti

The infectious type includes all those which one pinate from afection of the joint structures through the blood stre in with bacteria or their products. The joint is a swollen tender pa mult and stiff the periarticul's structures are principally

involved the joints may contain fluid the \ray adoes not reveal any bone changes but may show thickening or alrephy in the penarticular structures.

nnecening or airophy in the perastricular structures. The treatment of the infectious type includes putting the joint at rest drawing off the fluid is putting the joint at rest drawing off the fluid is putting the joint at rest drawing off the fluid is not provided in the large of sphints of the provided in the large of sphints of the joint putting the joint putting the joint putting and polyage and applied carefully, may be used with benefit salety altes are of volue in relevant pain and protecting the heart from into an Octeful massage with active and possesses motion should be started when the chronic joints fareign the many different pains and protecting the same pains and protecting the part of the protection of the p

trophic arthritis begins insidiously usually in the small joints gradually extending in a more or less orderly manner after months or years to the

larger joints

The affected joints present a fusiform swelling only slightly tender and not often painful until far advanced. Normal motion is limited but motion in abnormal directions is present. Cerpitation within the joint is easily elicited the X-ray shows bone destruction and erosion of the cartilages about the joint which presents the appearance of the hypertrophic type.

Use of the joint in the atrophic type should be encouraged for if kept in motion the joint will often adapt itself to a position which in fair motion is

possible

Hypertrophic arthritis comes on gradually without constitutional symptoms. It may occur in any joint but the distal phalangeal joints are usually involved which gives a clue to the diagnosis. The penarticular structures are not involved but there are bony prominences which form about the joint and are easily detected by and of the \text{\text{ray}}. Wo though the form of the joint is panful and himted

The treatment consists of putting the joint at rest and preventing an increase in the bony out growths. An infectious or toxic origin if discovered should be removed Ro ERT B COTEED

Gelat E. S. Chronic Multiple Arthritis J.

Lone 1 9 4 xx 8 By Surg Gynec & Obst.

The auth advises a most careful search for a focus of a fact.

The auth advises a most currell search for a focus of infect on a the case serial search for a focus of infect on a the case serial search for a focus of infect on a the case so called the me arbitritis are nothing moses of as called the me arbitritis are nothing most of as called the me arbitritis are not infection are portions of the body. Several most interesting and promotions of the body. Several most interesting are found and removed as the subsequent improvement and in some cases where joint destruction had not advanced too far there was an entire cleaning up of joint symptoms.

Tompkins J M : The Treatment of Rheumatic Infections. Virg M Sen Monik 1914 avm for By Surg Gynce & Obst.

The author emphasizes the importance of thorough examination and the removal of sources of infection in all rheimatic conditions where the relationship is apparent. In clumde cases of low relationship is apparent in clumde cases of low and control of the contro

HEVRY W MEYERDI O

Nelson J G: Acute Rheomatic Arthritis and Allied Infectious Conditions V f M Semi Venth 1914 Nut 497 By S rg Gynec & Chat The author classifies the above into the three

following groups

r Acute rheumatic arthritis, occurring alone or complicated or followed by inflammations of serous or mucous membranes tendon sheaths anoneuroses chorea etc

Acute rheumatic inflammations of the torsils serious and nucous membranes, chorea, etc. without arthritis.

3 Acute arthritis with a definite infected area in some other portion of the body such as tonsils gall blidder boxels prostate etc

After citing a number of interesting cases all though cluming no originality for his deflections the auth r concludes that there is an arthuis due to a definite corcus working of cocca which have an affinity for serous membranes sponeuroses tend a sheatha etc and whose sources probably the naso pharyn. The activity of these agents is self-instituted in any one site. The infected focus of scate and chronic arthuits is usually datant from the tout furnouted. Hereat W Merezane.

Cheatle, G L Sprains and Strains of the Knee-

Cheatie, a program Load 1914 sci 35 & Obn Joint Preditione Load 1914 sci 35 & Obn The author describes aprains and strains of the knee joint giving special attention to the history method of evanimation various classes of patients

with the pathological anatomy of each case and suggesting methods of treatment Sprains and strains of the lines-joint are most

suggesting incrinous of creatment.

Sprains and strains of the Lace-joint are most commonly caused by overtwisting the articulation with the foot firmly implanted upon the ground fixed or held by other means.

The history of the trouble is that shile running after a fall or accident the patient suddenly has a severe pain in the knee and the knee joint locks or there may be no history of locking. The knee is easily straightened by bystanders although the

patient is unable to do so himself. It may be the first or a common occurrence and special inqury should be made as to the frequency Comparison should be made of knees and mote-

Comparison should be made of kneet and motements of the joint atrophy of the muscles, load temperature swelling which may be due to ordens of soft parts, thickening of synovial membrane or fluid in the knee your

Lateral mobility indicates general stretching or

rupture of the ligaments. When the antenor ligament is ruptured stretched, or the ansertion rorn off the tibs can be brought forward without articulating with the femur. When the postenor ligament is ruptured stretched, or the insertion torn off the tibs can be pushed back without articulating with the femur. When both crucial ligaments are in over the tibs of the pushed section of the properties are in over the tibs can be rotated.

Internally on the femur

Laternal rotation of the tibls indicates rupture
or stretching of the two lateral ligaments The
quadraceps extensor tendon or ligamentum patelle
may be ruptured and the patient be unable to extend
the leo

Every case should have an X ray photograph

taken to show any injury to the bone.

It is very difficult to diagnose the separation of
the semijunar cardinge unless it can be felt and then
it may be split torn or partially detached. Arize,
far cardinges may be torn off by violence the large

of synovial membrane may be nipped or broken of and behave as a loose foreign body

Real locking is due to dislocated carnings II it has occurred for the first time the cartilage should be allowed to resume its normal attachments. After the carnings has been replaced the himb is immobilized about three weeks then passive motion used daily the splint being kept on two weeks more then the injury is treated as a sprain where no locking has occurred.

If locking is due to a loose body, it is best to remove the cause but no attempt should be made to do so until the body has been fixed in a suprapaching pouch. If a lore gn loose body is present constant X ray photographing should be a guide as to its location.

Not too much stress should be laid on absence of locking in det running the presence of the loose body or somethi g rapping between the bones

Severe spann repriere of the hymmetrum path is required to the hymmetrum path in part changing and converse the first hard first him to the path is th

Where the limb has been kept at rest too long confined with o thout spl nts massage and apple cations swelling and pain occur when the patient gets about and again he is put thro go the former treatm at At this st ge, splints and handages are tiseless. There should be no weight on the limb

except such as a shoultely necessary for at least three weeks and the patient should perform regular specified exercises with a neight pulley or footdumb bell. After three weeks walking may be resumed and after as weeks golf and tennis may be at tempted the patient stopping at the point of failing

The author call, especial attention to the use of the foot dumb bell exercise for strengthening the flexor and extensor muscles of the knee and states that the exercise should be done daily for at least one year C C CEATERETON

Smith, S. A: Loose Bodies in the Knee-Joint. Ca ad M A: J 19 4 1 200 By Surg Gynec & Obst

The condition of loose bodies in the knee joint has been recognized by surgeons for many years Loose bodies arise from several causes. Whitelock davides them must those bodies introduced from without those derived from separation of one of the component parts of the joint and those derived from growth or formation of structures not normally forming part of the joint.

In cases where the body has been introduced from without the common intruder is a needle. These cases are rare. In the more important group of cases the body is due to some detachment of a portion of articular cartulage. The internal seam inner is the most frequent source of trouble. In this group of cases there is always a history of injury. Effu ion follows and the joint may become locked at the time of injury or at varying intervals atterward when the point is subjected to increased atterward when the point is subjected to increased

In the group of cases derived from growth or formation of structures not normally forming part of the joint there is no history of injury Organic changes have occurred in the joint the body state of the joint that is congestion and productation of blood reservation at congestion and product carefully and a joint limited that the process of the product of the produ

The d agnoss of bod es of this ature is a mphified by means of the \textsup tay. In cases where the loose bodies are derived from separation of one of the component parts of the just a radiograph as often as not fails to aid in diagnosis unless the loose bodies have a bony bas s. R. O. Ritter.

Pather C. A Derangements of the Semilunar Cartilages of th hnee-Joint Che to If Recorder 9 4 xz 143 By Surg Gynec & Obst.

Parker reports 5 cases operated and in each instanc a c rt! re was removed. He emphasizes the point it whe a joint is opened for the removal

of a cartiage at should be removed unless it is planly evident that other condutions are responsible for the trouble. This was impressed upon him by his experience in these; cases in 3 of which nothing abnormal was observed upon the inspection of the interior of the joint although the removed cartilages showed distinct pathological changes one case had been operated upon by an eminent surgeon but no cartilage had been removed as nothing abnormal was sern. This patient later gave all the evidence of possessing a defective cartilage that was probably present at the time of operation

present at the time of operation. The internal semiluans was affected in all 5 instances the left one 3 times and the right outer Faxion of the extended knee in a plaster cast reaching from just above the malleoli to the pernaeum for a period of art to eight weeks after the operation was practiced the results apparently justifying the procedure as us each instance the recovery was complete with normal function of the necessary was complete with normal function of the recovery was a sea and in a cartiage in no way affects the stability of the joint while its normal process of the
Williams R. S and Wade W R A Fetid Aerobic Coccobacillus Found in a Case of Suppurative Arthritis of the Knee (Un coccobacille aerobuiétud da s un ca d'arthrite suppurée d' genou) Compt end Sec de b et Pat 9 4 levra 90. By Journal de Ch ruspe,

The authors had occasion to make a bacteriological study of a case of fetid suppurative arithmts of the knee which had presented a fistule for a long time. They solated two microbes from the pus a streptococcus and a coccobacillus. The latter on cultivation gave forth the same fetid odor as the knee

It was a polymorphous non motile exceobacillus araying in form from a coccus to an elongated basil las Gram negative strictly alrobic. The colonus developed well on all the ordinary culture media developed well on all the ordinary culture media became the control of the ordinary culture media became the control of the ordinary culture media became the control of the ordinary polymorphism of the ordinary culture media became the control of the ordinary polymorphism of the ordinary polymorphism of the ordinary culture for the colonia ordinary culture for the monus cobra and rabbing the colonial ordinary culture for the monus cobra and rabbing the colonial ordinary culture for the monus cobra and rabbing the colonial ordinary culture for the monus cobra and rabbing the colonial ordinary culture for the monus cobra and rabbing the colonial ordinary culture for the monus cobra and rabbing the colonial ordinary culture for the monus cobra and rabbing the colonial ordinary culture for the monus cobra and rabbing the colonial ordinary culture for the monus colonial ordinary culture for the colonial

It is possible to obtain a vaccife against this microbe by immunizing rabbits A dose of o 2 of this serum neutralizes a 24 hour culture on agar which a sufficient to kill a cobra weighing 250 grammes in 3 hours This coccobacilies differs from all fettd microbes known heretofen.

PIERRE CRUET

nea lest 620

FRACTURES AND DISLOCATIONS

Cohn 1: Fractures of the Greater Tuberosity of the Humerus. N Orl M &S J

By Surg. Gynec & Obst. Cohn reports two cases of fracture of the greater tuberosity of the humerus with an outline of past methods of treatment the anatomical data which should act as guide in the treatment of these cases and gives the method of treatment adonted in cases

observed

Believing that anatomic data is a crlooked in these conditions he reviews the insertion of muscles. attached to the tuberosities. In view of this information the following treatment is advocated Abduction and external rotation of the arm to favor appositio of the fragments and to overcome the action of the subscapplants which has a tendency to lacerate the capsule and thereby favors dulocation Further external rotation favors appos tion of the shaft with the tuberosity over which we have no control Abduction also relieves the pressure on the tuberosity by relaxing the deltoid

One of the cases a patient aged 50 had f lien forward on the shoulder. The chief symptom was pain, particularly on pressure over the tuberosity External rotation was impossible and abduction

was markedly himited

Both cases mentioned recovered with perfect function in the shoulder

Delaton H B: A Review of Cases of Fracture of the Patella, T Am Surg At N V q 4.
April By S rg Gynec & Obst

The author calls attention to the controversy a decade ago as to whether the open operation was necessary and that now as far as the natella is con cerned surgeons are united on the early operation

but as regards the long bones opinion still differs In the report there were 87 patients with a t tal of to fractures. Three were simultaneous fractures of both natelle and in one there was also a fracture of the cervical vertebra. On these cases there were 96 operations with no operative mortality and in all u eful joints resulted in 4 motion was somewhat himsted. The operation consisted in a curved transyerse incision across the knee above the patella suture of the tears in the lateral capsule and across the front of the patella with chromic catgut These were reinforced by a suture passed through the pa tella tend n above and then below in mattress fashion and then tied The object of this suture is to relieve the transverse sutures of strain when there is contraction of the quadriceps muscle especially when recovering from anaesthesia

Stress was laid on the early use of passive motion A posterior splint is recommended to be worn for at least twelve weeks but this is removed at night so that active movements may be practiced when there is no fear of strain

Operation was usually performed at the end of 48 hours but occasionally for some special reaso it was delayed for a week The results where the bone was broken in several fragments were just as good as in the simple transverse cases

SURGERY OF THE BONES, IOINTS, ETC.

Owen If R.1 Arthrophasty As S og Phila 1914, hx 426 - Ry Sung Gyace, & Chil.

Various operations for mobilizing antivious joints have been done since 1826 but none can be said to be always successful. The latest idea is the interpos tion of fascia and fat after separat ng the fragments This is best for the knee and hip touts because they are weight bearing joints and the hygroma formation which takes place as a result of the fat is very desirable. In case of shoulder elbow or mand ble however the use of animal membranes such as chromicized pigs bladder peritoneum of ox or wall of ovarian cyst is to be preferred for interposing Indicati as for arthro-plastic operation for ankylosis depend largely on what joint is involved. In case of a hip houlder or elbow operative effort should be made toward mobilization since these joints are almost uscless if stiff An ankylosed knee on the other hand if it

reasonably good position should be let alone

Woodward C.: Treatment of Fractures by Direct I xtension of the Fragments. Pract tost Lond tota cu são By Surg Gynec. & Obst.

The author reviews briefly the advancement in the treatment of fractures in recent years. He mentions the anatomical operations of Lane e tension methods of Codvilla, massage and mobilezation methods of Championniere and with great detail describes the Stemmann apparatus the method

of using and its advantages

The Steinmann apparatus consists of steel pins three and one half to five millimeters in diameter long enough to extend about two naches from the skyn on either side of the limb A plate is made to attach to the end of the pans upon which a cord is stensions after the pins are fastened to mak driven thro gh the os calcis

The technique of disinfection of the skin 1 ser t on of the pen treatment of skin puncture position of limb th direction of pull amout t of weight, duration of tension lateral displacement and rot trop of limb remov I from and aft treatment

re Il carefully considere

The ad a tages of the Steinma a method of direct extensio the author lams are may Direct ext us u is vastly superior to the adhesive plaster method Shortening is vercom the Irag me to are brought more easily ato co rect bgn ment There a practically no pain after xtension is once applied. There is no danger in the opera tion when it is carel lly do It i much easier than the Lane date method and the anatomical results are Il th t could be desired CR TERROR

ORTHOPEDICS IN GENERAL

Saunders, E. W. Melsenbach R. and Wisdom W. E.: The Causation and Prevention of Infantile Paralysis. J. M. St. M. Ast. 1914 2 305 By S. rg. Gynec & Obst.

The authors cite a composite picture of fatal disease with prinslyate occurring on a farm among the fowls, hogs and other domestic animals and at the same time one of the farmer a children being afflicted with infantile paralysis. The authors claim to have found a common cause of such mais dies fin a verus which is carried by a species (Lucilia except) of green fly. They find that all attempts to inoculate flowls guineaping or other animals with the blood or itsues of animal a djing from ingestion of the specific larves have failed.

The death of a fowl or guineap gwithin six hours

are ucata or a lows or genera pig watern ast nours has been caused by the oral administration of a single specific larva or by the intraspinal injection of a few drops of emulsion of a specific larva Paralysis and death was also produced in monkeys by administering the larve to them. They were able to transmit the disease from one monkey to another by intraspinal investions of cerebrosonial

fund o of spanal cord emulsion of affected monkeys. The days after feeding on the carcass of a polomyelitic lowl or other animal the green fly deposits ova in the carcass which develop not the tonc larve. It is assumed that there are three factors (1) A potential varus (2) as active virus and (1) a neurolytic totalbumose. The green fly as a carrier explains the prevalence of the disease in summer the fly season. The authors report namerous experiments upon which they have their conclusions and urge that precautions be taken to Drevett continuation of food by fire.

II Y CIVER

Cooley E L. T lipes or Club-Foot Med Fortnghily 914 xl 97 Bv S rg Gyace & Ob t The author thinks that the diagnosis of equino varus is easy but it is another thing to properly

varus is easy but it is another thing to properly estimate the degree of deformity upon which to

base an intelligent prognosis Club foot may be roughly divided into three

Lino toot may be roughly divided into three stages from the standpoint of mobility. In the first degree a certain mount of manual correction can be attained without checking pain in the second pain is alw yea sociated with such attempts and in the third no correction is allowed without an anisathetic.

All types a d degr es of the deformity can be benefited by press t day methods while in mid and moderately se ere cases the deformity can always be made to appro imate the normal in

appe rance and function

The treatment depends on (1) the age of patient and (1) the nature of the deformity Michanical methods manipul tion wedges wrenches et cetera may be successfully used in practically all cases. The lunie is used only as a last resort

There are three steps in the corrective procedure (r) correction of the over pronated tarsus (a) cor rection of the rotation of the bones of the ankle and (g) correction of the equium. As for the first step cases taken before the patient walks can be reduced by manual means alone. In older cases it may seem expedient to divide the resisting fascia in order to hasten the process. The second step requires a wedge and in older cases a wrench. When it comes to correction of the engines when the self to the last tendomy saves time and trouble. But the author considers it malpractice to tendomize and simultaneously overcorrect in plaster. He advises open openium, with a suture bridge between the cut ends and overcorrection 6 days later under anasystems.

Calcaness requires a restoration of the arch and correction of the superflexion of the foot. This be says seldom requires more radical measures than manipulation supplemented if necessary by splints or braces. Science cases may require tenotomy of the tibalis anticus persones sertius and extensor.

longus digitorum one or all

To percent the deformaties resulting from in
famile paralysis he advices that the limb be lim
mobilared in plaster as soon as the diagnosis s made
and held for 6 to 8 weeks Function should then
he re established in proper apparatus and restors
are present complored in competer paraly is
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Old and neglected cases of club foot practically always require surgical treatment such as the Phelps operation arthrodesis or astragalectomy

ALBERT ERRESTRIED

Rugh, J T Paralytic Toe-Drop Puttl a Operation for Its Relief A S p Phila 014 bt 432 By Surg Gyner & Obst

Paralytic deformaties of the foot may be corrected surgeally by operation () on the bones arthrodess (2) on the tendons (3) on the skin or (4) by the insertion of silk ligaments. Not every case is one for operation for many paralyzed muscles recover power many years after the attack if strain is removed from them. Arthrodess is liable to be functionally unsuccessful.

The surgery of the tendom for paralysis introduced by Nosidom in 1881; is valuable in restoring function but is not always successful because of stretching of the parts 'Dre resection of a portron stretching of the parts 'Dre resection of a portron in connection with a body of the parts of the parts of the stretching of the parts of the part

An operation is described as performed by Putti of Bologia who utilizes the paralyzed antenor tendons instead of silk for paralytic toe-drop. The author reports a case successfully operated upon by this method and offers the additional suggestion that when the antenor tendons are so used there.

distal ends should be fastened to the heads of the metatrasts to prevent deformity of the tree. The foot is brought to a right single position the tends achilla being cut if necessary. A five-each tends as then made along the tibul crest the tendons of the antenor group separated from each other and cut high at their muscular origin. The distal ends are then pulled through an oblong opening made in the tibula shaft one from one side one from the other alternately brought across the front of the this and sutured to each other and to the peroretum. W A Carx

Test F C. Sag Foot and Taut Foot. Cheege M Recorder 19 4 2225 53 By S 1g Gyner & Obst.

The author laments the indiscriminate treatment of foot conditions with the commercial foot plate arch-support etc and presents a rational explanation and treatment for these very common conditions

Sag-foot is a condition produced by a progressive muscular weakening, ligamentous stretching and bone displacement resulting in a sagging of the normal contour of the longitudinal arch with a resultant train of symptoms of which flat foot is

one of the last to appear Sagging of the arch may be due to an increase of the body weight long continued standing resulting in muscular listing and dissue. In children it may be due to a rapid physical growth disproportionate to the mutcular strength. The average commercial foot brace is an incentive to muscular idleness and so directly furthers the disability.

The symptoms of sag foot are characterized by foot discomfort disinclination to stand tender spots beneath the arch a shuffling heel-dragging rout and a cradual lowering of the inner side of the

gist and a gradual lowering of the inner and of the imputional surface arch energy of the inner and of the imputional surface archesis, suitable footwar with or without heel and sole alterations to assist in throwing the body weight to the outer andes of the left — the more severe thesis. Properly fitted arch-supports may be warn with advantage during weight beams but

should be gradually laid ande as the muncles become stronger through exercise. Taut foot is a term applied to that condition in which a shortening and contraction take place in the call muscles and plantar flexors of the foot doe

io modern footwar i e high heeled shoes. The runed heel causes the front part of the foot to be crowded forward in the shoe where the foot is brunder than the shoe sole the little to us lifted above the level of the others the lagaments of the transverse arch stretch the arch sains, and the metatranst heads impunge upon the shoe sole causing pain and tenderness and later comes and calluses develop on the front part of the sole the tender and fassia which may cause the longitudinal arch to be russed.

Disconsiont from long standing or willing referred to the anterior or longitudinal arch stiffness in gait or more severe disability may result. The treatment consists of a gradual clause from high to los beeled shoes proper muscular exercises and pads to support the anterior arch. Tendony of the tendo actualls penneus longus and breva and subcutaneous division of the bands of plantar faces are often necessary. Rosent B Corezo

Griffith J D: Progress of Orthopedic Surgery J Am M Ass 1914 Inn 748. By Surg Cymet & Obst.

Gnffith reviews the recent advances in orthopode, surgery clearly and conceively unclading stifritus poliomychitis, congenitad dislocation of the hop, operatus treatment of Potts disease scolouss, and abdomnal visceroptosis. He believe that the borne form of interior backlins is the most danger borne form of interior backlins is the most danger to the property of
but also in open tuberculosis. Ely Billing Rosenow Woodword and Wallace are quoted regarding arthritis and their theories are noted as aboning that the virus of polomychit is across the boning that the virus of polomychit is across the boning that the virus of polomychit is across the boning that the virus of polomychit is across the maquito of any blame in this respect. He would have the patient during the actual stage of tha disease, rest in a plaster of Paris bed on some abore the affected members. Other treatment mentioned is tendon transplantation arthodesis herve transplantation of an anastromous, the last two see

believed to be yet in the experimental stage. The hatory of the treatment of congenital discanns of the hip is traced from 1800 when 180 fit advised an open operation down to the present time with mention of Lorena Cales and though a contract of the cont

Regarding the operative treatment of Potts desses Ginfith discusses the work of Hadis R bls and Albee on behaves the fracturing of the bases of the spinous processes with the cite to Hibbs, and the upit processes with the transplanted this between which credit to Albee have been comunicably successful but the time has not yet passed for final unignment. He thinks it is undoubtfully the best

iretiment for rand recovery in Polts disease. See us but on thought is said to he a bad schools as a fifte sure Cred't a given bbott for the treatment offering the best results and both blows they be the treatment offering the best results and both blows they be the comparticularly of interest accious in the fared position of the body is due to nlocking of the articular processes of the ertch # Forber treat ment which sums at causing the correction of the deformaty by the production of its counterpart

and is undertaken by rotating the patient's thorax on a fixed pelva in a direction toward the side of convexity of the curve is commen ed upon but no opinion is given regarding its success. The author believes the last word in scolosis has not yet been spoken In conclusion the author briefly and pointedly discusses Goldthwait's views and treat ment of abdominal visceroptosis H B Tromas.

SURGERY OF THE SPINAL COLUMN AND CORD

Baldwin S C : Scolineis. Northwest Med 9 4 vi 38 By Surg Gynec. & Obst

30 My Surg Cyner, a Osst.

After quoting various definitions of scolouss

Baldsin concludes that scolouss observed at any
age in life is a lateral deviation accompanied by
more or less torsion and is a deformity of the whole
body particularly affecting the spine

Many causes of scohous have been observed vus shortening of a limb results of severe burns pleurisy in restriction the habit of carrying children im properly over the arm the carrying of heavy loads over the shoulder and faulty position in sitting and standing. He emphasizes the fact that scoliosis is not a tuberbular condition.

He elaborates on Wolf a law that prolonged alteration in the function of a joint produces corre sponding anatomical changes stating that bone being the densest structure in the body, and being unyielding a constructed according to the function it has to perform The part pressed upon becomes atrophical and denser while that reheved of weight

becomes hypertrophied and loses its density thus bringing about functional adaptability. The diagnosis should not be difficult. A fixed or flexible spine must be determined also how long it has existed and the course determined before treatment is instituted if good results are to be

secured.

In some cases the condition has been less improved by exercises Braces and jackets have been used to correct the curves but except in a few favorable cases a cure is not to be expected.

Abbott a treatment which is a firstion in plaster in the overforected position has commend the orthopedic profession of its value as a means of correction A specially deviced table is used. The patient is placed on a hammock in the frame and by means of suitable bands secured in position the body is forced into the overcorrected position after which it is fixed in plaster Fenestra are cut in order that pads may be inserted between the cast and the body as correction takes place.

The cust is worm for weeks or months until cor rection is obtained. The last stage of the treatment is the wearing of a removable celluloid jacket together with suitable exercises. John H. Shaw

Barthe E. Typhoid Spondylitis (La spondylite typhique) There d dect, Toulouse, 19 4 By Journal de Chirurgie

The first case a patient of 22 had severe typhoid for two months. On recovery there was rigidity of the lumber spinal column with slight left scoliosis flexion of the column was impossible. There was

pain beginning in the lumbar column and passing around the crest in the pelvs, but no pain of the lower limbs the reflexs were normal. Radiography showed marked decrease in the intravertebral space between the second and third lumbar vertebra with the formation of bony projections along the edges of the space. A plaster correct was applied for three months and then a fresh one for three more months with complete recovery. The spanal column was still rigid but there was no pain and extensive movement was possible due to compensatory mobility of the adjacent vertebras.

The second case was that of a cavalry heutenant who had a violent shock in the sacrococcygeal region from falling on his saddle. Three months later typhoid fever developed followed by complete immobility of the spinal column with pain no devia tion was apparent and there was no disturbance of motion or sensation in the lower limbs reflexes were normal Radiography showed erosion of the second and third lumbar vertebrae Rest in bed for a month improved the condition but when the patient got up it became as bad as ever A plaster cast was applied and the treatment kept up for a year Recovery was complete and has persisted for 8 months. The lumbar column is still rigid but the adjacent vertebre have acquired a compensatory mobility Radiography shows bony projections uniting the lateral parts of the bodies of the two vertebræ the intervertebral space is not diminished L. CAPETIE.

Oppenhelm II and Krause F t Successful Opera tion in Circumscribed Scrofibrous Spinal V ningitis and a Study of Disease of the Cauda (Uber erloigrache Operationen bei Menni gill spinals chromate serolibrous circumscripta,

Cauta (Uber erfoigreiche Operationen bei Menin gitt spinalis chronica serofibiosa circumscripta, ugleich ein Beitrag gir Lehre in den Ca dieerkrankunge) Mit d Gengb d Med si. Ch 9 4 xx 545 By Zentralbi f d ges Chie u i Grengeb

The authors bring out some interesting points in connection, with three closely related cases. In the first case the cause was beyond doubt trauma. In the second and especially the third case trauma may be assumed particularly as there was no evidence of any other etology. In all three cases it was the accumulated effect of several traumas.

The chef points in the symptomatology were alike in the first two cases. While the pain as to location character and distribution, suggested scatics, there were symptoms in both patients that excluded this possibility especially bladder distributions.

The chief interest in the cases was in the results

of surgical treatment. This consisted in the empty-ing out of the cerebrospinal fluid, the freeing of arachnoid adhesions and the separation of a callus of the dura in the first case. The dura was left open its edges sutured to the musculature and the wound in the soft parts hermetically closed. In spite of the dangerous location of the wound (paralysis of ne bladder) both cases healed by first intention Heshar began in the first case on the second day when the Achilles reflex, which had disappeared reappeared The third case was complicated by hysteria and morphisism and occasional rises in temperature and the diagnosis was therefore not quite clear. It was assumed that it was a case of an organic lesion in the region of the upper lumbar

vertebræ with contraction of the spinal canal and obstruction of the fluid, or an adhesive chrone scrofibrous meningitis in connection with a menin geal hamorrhage. It was doubtful whether the process was localized in the region of the medi the upper lumber vertebre or the point of ent of the cord.

On lammectomy of the eleventh and twelfth thoracic vertebra there was marked increase in the fluid and chronic arachmitis. After emptying the dura and keeping it open the wound healed promptly and there was unprovement in the pans. Later the functional disturbances disappeared, but there were frequent recurrences for a while and then definite HANS BREY recovery

SURGERY OF THE NERVOUS SYSTEM

Coville Spantic Parapiegia in Children Treated by Van Gehacten a Root Section (Observations de paraplégies spasmodiques infantiles traitées par la cotomie su ant le procéde d Lan Gehucten Bull et mem So. de chir de Pa 1913 EEEE 1565 By J urnal d Chirargia

Coville describes the following three cases of spastic paraplegia in children treated as above

I A child of II was afflicted with extreme spattic paraplegia of the lower limbs and talipes equinovarus. The results of tenotomy were unsatisfactory and Van Gehucten's operation was performed consisting of resection of the spinous processes and laming of the twelfth dorsal and first second and third lumbar. There was an une entful recovery At the end of six months after muscular re-education the nationt could walk with the aid of two canes the position of the feet was normal

The second case was that of a boy of 18 with spastic paraplegia of the lower limbs. A similar operation to the former case was performed but at the end of a month the child began to cough and

soon died of pulmonary tuberculosis
3. The third case was a child of o who could not stand upright There was extreme talipes equinus and the child was mentally defective Operation was performed, followed by uneventful recovery Muscular re-education was meffective the patient could stand upright but could not walk

Coville comes to the following conclusions with regard to the operation It is very simple technically and not at all dangerous but it must be performed somewhat blindly for though the topography of the roots to be operated on is known it is impossible to tell whether too much or too little is being removed The results are not so good as might have been expected from the published reports for though the spasticity and the exaggeration of the reflexes disappear relearning to walk is very difficult the steps remain slow and besitating the limbs are heavy stability uncertain and with the lapse of time it seems that the good effects decrease rather than the opposite Root section cannot compete

with purely orthopedic treatment in Little s disease and he believes that he was not persistent enough in the post-operative treatment.

Antonini L.: Bilateral Intrathoracic Resection of the Pneumogastric and Its Relation to the Pathogenesis of Round Ulcer of the Stomach (La réservon intra thoracio e latérale de puesas gastrique et ses rapports et la pathogénie de l'ulcère rond de l'estomac) Etforsia med 19 4.

N 5 1 6 By I utual de Chrurge Antonini performed his experiments on rabbits dogs and cobras He used Meltzer's method of aniesthesia as it presented the great advantage of immob hing the animal and of preventing con tractions of the diaphragm and respiratory movements. An incision was made in the seventh or eighth left intercostal space and the pleurs opened care being exercised to avoid injuring the lung right and left pneumogastrics were discovered and resected at a height of cm in the rabbit and of five in the dog Anæsthesia was discontinued only after the wound in the thoracic wall was completely Forty experiments were made was no mortality among the dogs and only a slight one among the rabbits. He concludes as foll we

r Bilateral intrathoracic resection of the pneu mogastries may though rarely produce a gastric ulcer with the macroscopic and microscopic charac-

tensities of peptic ulcer in man

2 This ulcer which shows no tenden y to heal, appears in dogs and rabbits in 7 per cent of cases. 3 Examinations were made to 25 and 50 days after operation without finding any tendency to

healing
4 Within the first few days after the operation there was great dilatation of the stomach and vascular repletion accompanied by intragastric hemorrhage

In the animals killed five months after the operation there was no tendency to cicatrization, but a chrome plear

6 The mechanism by which vagotomy produces nicer is unknown OR VILLANDER

DISCASES AND SURGERY OF THE SKIN FASCIA APPENDAGES

Plain J C. A Note on the Management of Burns

Am J S g 1914, xxvm, 117

Re Sure Gyner, & Obst.

There are four things to take into consideration in the treatment of burns (1) To combat the shock if it exists (2) to relieve the pain and nervous er citability (3) to prevent infection and protect the exposed hiving issue and (4) to help nature in her

work of repair
The treatment of shock is just the same when it occurs from burns as when it arises from any other cause. To releve the pean and hervous excitability the author gives a hypodermic impection of morphise and atropine. In addition, he bathes the parts with cool water at about 60 F to which has been added a tesspoonfil of bicarbonate of sods or sodium chloride to each quarter as a soft of the parts with cool water at about 60 F to which has been called a test of the parts with the properties of the parts with the properties of sods or sodium chloride to each quarter as a soft of sods or sodium chloride to each quarter as a soft of sods or sodium chloride to each quarter as a soft of sod of sodium control of soft of the parts of sodium control of soft of sodium control of soft of sodium control of soft of sodium control of sodium contro

The author takes exception to two things which

are often recommended (1) The opening of all blusters and (2) the use of carron as a protective dressing. In opening a bluster the denuded area is deprived of the non irrating serum which is less irritating than any artificial medium and the dead epidermis becomes an irritant which favors infection. Carron oil and other similar preparations prevent proper drainage of the burn

The author advocates the following care of a burn The cattre area and the surrounding parts are mopped or sprayed with hydrogen peroude and then mopped with dry gause Strips of gause which have been soaled in a 2 per cent solution of picra and in diute alcohol are then apphed Over this is applied a thin layer of cotton. This dressing is changed as often as it becomes soaled and each time it is changed as forcin as it becomes soaled and each time it is changed as forcin as it becomes as leading the property of the strip of the strip of rubber tissue which the author uses strips of rubber tissue which have been soaked in a 1 roos of the distribution of the strip
MISCELLANEOUS

CLINICAL ENTITIES — TUMORS, ULCERS, ABSCESSES ETC

Sutton R. L.: The Histogenesis of Multiple Basocellular Carcinoma. J Am M Att 9 4 lm 977 By Surg Gynec & Obst

The author cites the various wess of other writers as to the tetilogy of mult ple basocellular carnomata. He is of the opinion that the embryonal inclusion the ry or the influence of the blood vessels play no part in the etilogy of this type of tumor He rather sades with the views of Loop and Sweek that the formation of carcinoms of the shan depends on a pinnary increase in the activity of certain parts of the epidermis. Sutton behaves that a dry scaly skin predaposes to this condition.

Five case reports are given the ages ranging be tween 3 and 73 3 ars. In all these cases no epi thelial pearls were formed and in the younger cases the tumor growths were superficial and thick while in the older cases they i filtrated more deeply as the retirculum was not as resistant

The treatme t should be excision failing this rontgenotherapy with or without freezing or cauter station ELGEVE CARL

Binnie, J. F. Som. Uses of Fat in Surgery Surg Gy ec & Obst. 9 4 xxiii 336 By Surg. Gynec & Obst.

In spite of its reputation as a tissue of poor reasting power fat is well suited for transplantation Sometimes its value is due to its connective-tissue basis but at other times it oily content is the

valuable element The following are some of the uses of fat as a transplant

It may be used as an organic plug or tampon to fill sounds in vascular parenchymatous organs such as the liver etc or it may be spread like a plaster over a bleeding surface in the liver lake of the lake of the liver lake of the liver lake of the liver lake of the

Taking it for granted that adhesions will form or reform between the scalp menuges and brain after operations for traumatic epilepsy the author has successfully followed Letter's plan of implanting fat in the crainal defect. This implant does not prevent the formation of adhesions but the adhesions so formed are calculated to be so loose and soft some of the control time or cryst has been removed and crever benefit numer or cyathas been removed and creve between the solution of the control of the

3 Deforming depressed scars of the face may often be remedied by division of the adhesions between the skin and underlying bone the depressed area being filled out or padded by the introduction of a switable inagment of fat obtained from the patient himself.

4 After mammectomy for non malignant disease

ŕ

good cosmetic results have been obtained by the implantation of a lipoma (Czerny) a suitable mass of omentum of ta ned from a herms (fudd) or fit of ta ned from any part of the body (klano Hertyler)

When a casity is formed in a bone by the removal of d sease it may be obl terated by a free transplant of fat. This has been successfully ac complished by several surgeons including the author

6 Arthroplasty owes its success very largely to fat trun plantation. Usually the flaps used are nedunculated but to the author it seems that the rather complicated measures necessary to obtain pedunculated flaps may be found to be unnecessary as free flans may be as good or better than the pedunculated

Fat is very useful in the prophylaxis of empoling

adhesions foll using tenorrhaphy and neurorrhaphy
8 In honchectasi pulmonity tuberculosis
etc the implantation of fat between the mobilized parietal pleura and the chest wall (Tuffier) is a valuable substitute for artific al pneumothorax or the I-nedrich Sauerbruch and Wims operations for producing collapse of the chest wall

SERA VACCINES AND SERMENTS

Rost F and Salto: Use of Serologic Staphylococ-cus Reactions in Surgical Diagnosis (1) \ pills kest der serologisch St phylok ik are k tinn in der hrung sch Dagmistik) De i h Zi che f Ch to 4 t 320 k to 4 t 1320. B Ze traibled res Chr

The auth is regard Hohmuth's modification of the staphylolysia reaction as suitable for the diagnosis of surgical staphylomy over The staphyl ococci form a hemolytic t am in the body the so called stanhylolysm. This can be demonstrated easily by adding to a bouillon culture of a certain alkalinity on about the tenth day of gre with pension of red blood cells of the rabbit No a product of reaction to this lys antilys is are formed in the body \cisser and Nechsberg tried to utilize the demonstration of these antilysins for diagnostic purposes. The patients serum was mixe I with the Iyun in certain proportions and the red I load-cells of the rabbit added as an i dicator II hamolysis occurred analysis were not present in appreci ble quantities If hemolysis was in habite I at was due to a strong antilysic content of the serum the latter therefore may be assumed to have come from a patient with staphylom) cost This reaction was unreliable because too little

he n was taken Hobmuth's rea to mer uses the amount of prepares a lystn Irea ly tstrated so that the tech mique is very much simplified. It is only necessary to mix a certain amount of inactivated serum (0 5 0 35 0 25 and 0 a soluti n of t 10) and a SS per cent suspension of rabbits erythrocytes (o 5) and add to each tube the t ter dose of the lynn This method should be very useful in the d agnosis of bone suppurations especially for the liferential diagnosis of osteomyelitis and tuberculosis For some suppurations of the soft parts the agglution reaction can be used to advantage Bacterodal attempts as well as the determination of the oreoner index are rejected for purposes of diagnosis

Wolfsohn G: Principles and Value of Vaccine Treatment (Gro diagen and Vert de Vaccine-theraple) Mut a d Gre g b d Med Clar 1913 z is 72 By Journal de Churge

IL OLESORY

The author gives a comprehensive work on the principles value and methods of vaccine treatment including treatment with killed bacteria and the products of their metabolism. He discusses con trolling the effect and letermining the dosage by reckoning the opsonic undex by Wright a method The indications are different in the three following £70UD4

t In general bacterarms including almost all acute infectious diseases sepais etc. vaccine treat ment is useless or even harmful, and therefore con-

(marach

tra indicated . The group comprises more or less localized foci from which bacters may pass over i to the blood an I which e perience has sho n that they som times da (a) scute cases s ch as phlegmon lymphangitis, osteomyelitis pentonitis, pen and parametritis acute gonorrhocal arthritis etc. \u20e4ac cine treatment is not absolutely contra indicated but should be used a small and often repeated doses (b) chronic cases such as chronic colon infec tions of the urinary passages, tubercular pentonitis tubercular inflammations of the bone tubercular c tar h of th I nes chronic osteomychtis chronic gonorrhomal ribrata et vaccine treatment note ted in those cases i wh h with reasonabl ureness auto oculation can be excluded by place g the liseased focus a rest therefore especially in diseases I the e tremu ea, it is to tra adicated in cases whire this is not possible since if there is a to noculation it is impossible to give accurate do-age-for example a many forms of pulmonary tuberculous

3 Strictly loc lized processes in which the bacters or products of their m tabolism do not pass into the blood as f ampl chrome staphylomy costs f the ki ski tuberculosis complications of gonorrhum t are cases a the domain f vaccine In pra tice the control of vaccine treatment treatm t by the opsonic and z is reserved for those chr nuc trictly encapsulated foci of infection in which t is possible to complet ly exclude autoinoculation and whi h from their locate in make exact clam al ober tion impossible. For the other cases this diffi ult method f control may be omitted This simplifies the treatm of markedly

After a discussion of the preparation of the vaccines a special part is devoted to methods of use and results in differe t diseases Autovaccination is not necessary in most of them staphylococcus infections some sycosis inflammation of the sweat glands, osteomyehtis mastıtis pyæmıa furun culous chronic eczema etc

In supporative some and general furunculosis vaccine treatment is a hopeful experiment in re current inflammation of the sweat glands and of the nasal sinuses it frequently gives good results in osteomyelitic fistulæ purulent mastitis and chronic sensus good results are only exceptionally obtained. Streptococcic infections are contra indicated in the very acute cases but are worth trying in the subscute and chronic cases

Tuberculin is to be recommended for tuberculosis (z) When any operation indicated for some reason cannot be carried out (2) for after treatment especially after operations that cannot be performed radically (3) as a supplementary treatment in encapsulated pulmonary tuberculosis lupus be-

graning arrbutts and lymphoma.

In gonorrhom vaccine treatment produces excel lent results in acute and chronic arthritis especially in combination with Bier's hypergenia good results in epididy mutis lack of uniformity in the results in pyosalpinx failures in urethritis endometritis and conjunctivitis Caution should be exercised in general infections. In gonorrhom there is always Strong reaction

In colon infections autogenous vaccines should always be used There is severe reaction Improvement was obtained by its use in many cases of colonura but not complete recovery. In chronic cystitis and pyelitis the vaccine treatment in con unction with other methods hastened recovery but in no case was the urine completely freed of bactena

Cholzoff B N Surgical Generatoral Diseases Sero- and Vaccine Treatment (Chrumusche Gonokokkenerkr nku gen Sero- und Vaccino-therapie) Bu kl Ck o 3 kizzuz 382 By Zentralbl f d ges Chur Grenzgeb

Faure Beauheu in 906 published 34 cases in which cocci were found in the blood during life in general gonorrhoeal diseases the author adds to new cases from the hterature and one of his own The metastasis generally proceeds from the genitourmary apparatus sometimes from gonorrhora of the eve The conditions which bring about the general extension of the local process are as yet un known

In about two or three per cent of all gonorrhoral diseases there are complications in the joints more rately involvement of the tendon sheaths and still more rarely of the mucous bursæ the pleura and bones Very rarely there is phlebitis from gonor rhora The other forms of general gonorrhoral infection are briefly mentioned Cholzoff found only 11 cases of general gonorrhoral septicarmia in the literature to which he adds the one of his own, He recommends as treatment passive hyperzmia combined with douches of hot air especially in involvement of the joints and tendon sheaths

Serum treatment does no good in diseases of the mucous membranes but gives good results in local complications such as epididymitis prostatitis, and compents and excellent results in diseases of the soints tendon sheaths pleura etc. Ten cases which the author treated with sheep a serum were

undoubtedly favorably influenced Good results were also obtained with horse serum which has the advantage of not causing any peneral or local reaction, as the author observed in the 10 cases that he treated with horse serum As to vaccine treatment he recommends that it be begun with small doses in order to avoid reaction This method of treatment gives good results without danger In urethritis vaccine treatment is of no use In diseases which are secondary through direct infection from the primarily diseased urethra as in enididymitis cowpentis prostatitis cysitis and ureteropyclitis vaccine treatment undoubtedly has a good effect especially in epididymitis while opinions are divided as to prostatitis The author did not get uniform results There was a marked effect in organs to which the infection was transmutted through the blood or lymph such as joints bones tendon sheaths etc as he showed in the treatment of 16 cases

The yiews as to the use of vaccine treatment in gonorrhoral septicæmis are divided. Three cases have thus far been treated 2 of Diculatoy's and one of the author s with good results in all three

LOY HOLST

RLOOD

M'Nee, J W Experiments on Harmolytic Ictorus. I Pathol & Becter of 1914 xvm, 3 ! By Surg Gynec, & Obst.

In recent years the theories on the production of harmolytic interus which have received most atten tion are those of Minkowski and Eppiger former holds that a disturbed function of liver-crils causes an aberrant flow of bile into the blood stream instead of along the bile-ducts, while Eppiger con siders that the formation of gallenthromben by causing obstruction leads to dilation of the bileducts and repture into the perivascular lymph

M Nee s experiments to control those published by Makowski were carried out on geese these fowls being especially suitable for the purpose. The geese were poisoned with AsH; and immediatel the liver was removed with the exception of a small stump of liver tissue left behind the vena cava These geese lived several hours after operation. His conclusions are as follows

I There is no doubt that after the removal of the liver in geese poisoned with AsH no marked icterus occurs The weak icterus occurring in some of the experiments after removal of the liver must depend either on the functional activity of the seen and bone-marrow or on continued activity of the small piece of liver left behind the vena cava.

2 The reason why no marked scierus follows

extingation of the liver is not that the liver cells have been removed but it depends upon the removal out it depends upon the removal of the tilsue enclosed within the liver which breaks down hemoglobilum-namely, the endothehal cells of lon Kupfler. These cells have to do at any rate with the first phase an the production of but same with the first phase an the production of but same called and set free the premote and set free the premoterates of Minkowskii.

3. Veither from the experiments of Minkowskii.

3 \ \text{extent from the experiments of Minkowski and Naumay nor from the authors amy a definite conclusion be drawn that a true hemolytic internation and the state of the contrary the histocian of core at all. On the contrary the histocian of the contrary the histocian of the contrary the state of the contrary and the contrary and the respect at rough in favor of the occurrence of an internation and stream and their destination there speak strongly in favor of the occurrence of an international any action of the large cell at all The argument that when the 1 set is removed the bomologous conductable and in the spellers and bomologous conductable and in the spellers and the short distribution of the contrary the cattrens and lines of these latter or and in bring and the short duration of the approximation in the short duration of the approximation and the short duration of the approximation.

4 An important question is how fir these on clusion arrived at his experiments on green can be applied to hum ny sthology. Laperiment how that the tracture of the later in hards is fift reat from that in higher a small. In birds there is a very special storn metaloid on a the 1 with which not the li exactly the traction of the later of the history of the polion have to be

To compare with these perment o grees the appearances produced n h mobile at ru in l gher animals I go were pursoned with the last ed in ne to I ring shout I und e 1h esults re found to be in no n year trally I flerent from those observed in seese. It is to be suited how or that the normal structure of dog he is I fler at from that of In logs the endothelial kupffer cell are much less tum rous and normally give no from reaction in dogs the bir does not seem to be so directly associated with the ron m tabolism as it ta in birds It is tikely that in higher animals the spleen has tak n on this I tion In icterus the en loth hal cells I the dogs liver show hanges quite similar to those found in geese namely phagocytosis of red blood corpuscles hant gration of them and appears ee of a diffuse iron reaction in the protoplasm. The lis being much fewer in number these appearances are not so prominent and readily recognized. I the spleen the ch. ges seen in dogs and grese during t rus re also similar but it has alre dy be a uff atly emph used how much larger the pieen s omparate ely in higher animals than in bird 1 the lymphatic glands of dogs the changes at also very marked and are of a similar nature to those found in the spleen In the greese it was generally difficult to find lymph atic glands, hen e no observations were made on

their Taking all these points to consideration, it seems quite probable that all that has been suggested in connection with the toology of hemolytic

jaundice in geese can be applied to higher sumals and to man.

Leo G Duan
Wallace R.: Post Operative Thrombophi bitis.

Am J Su g 19 4 HTCH 103 By Surg Gynec & Obst

Thrombophichus follows in a per cent of all alcolomial operations the ve at chiefy lavolved being the external line; the common line; the femor at the suphencount the memoral the suphencount the memoral through the portal. A study of the stristics in a large and the portal analysis of the suphencount of the suphenco

It is doubtful whether any one cause can be ascribed in all cases, but certain pred possing physiological factors are always present. The peripheral scrooss circulation is comparatively singuish the venous coats are thin and easily personable their superficial distribution submits the venus to outside injury venous blood presents.

a greater coagulability. Reling concludes from experimental work that infect in in the natural dot behind a ligature or traveling from sutch because through the epigatric venus is the prime cause while Clark believes that transmitted of the deep reparture our causes the primary thrombout which progresses it becaused like. The suthers believes the rare two valls and infection of the increase and conclude will and infection of the line air wintown at the three two theories are will ly tentile. He accounts that three two theories are will ly tentile if account on the perpenderance I left lemoral went thrombo us by bacterial colonies gaming the arterial circula ton and vertically reaching a traumat ed or dis

eased teen will.

The prevents e treatment m y be summed up to the expense the avoidance of t aums and of long dead spaces within the case for humary treat meat of subjects with fibby musculature by massege city bord action and frequent change of position. But there will still remain a few case of the contract of the

BLOOD AND LYMPH VESSELS

Kempe, G. Brachisi Arteriorenous A eurism Treated by Vascular Surure Proc. Roy See Med. 914 Surg Set. 83 By Surg. G, onc. & Obst.

The patient wh was 50 years old I raw years had noticed as it gog sensation in hinghi arm Inspection abor of a large pulsating welling in the arm just below the anterior and 17 fold and in the line of the bra had artery it was increase g in size but was not painful. The willing was soft in different parts of the state of the bra had artery it was increase g in size but was not painful. The willing was soft in different parts of the state of th

compressible and pulsated regularly A thrill which was easily felt, was a continuous one, but had a systolic increase in intensity The swelling could be traced into the axilla and a soft pulsating swelling was found beneath the right clavicle where a similar thrill could be felt but less marked than in the arm. Pressure on the subclavian artery above the clavicle caused a collapse of both swellings and a cessation of Release of the pressure caused the the thull swellings to fill up slowly but they required several pulsations to become as full as before Pulsation in any of the superficial veins of the arm forearm or thorax could not be detected. The influence of respiration on the swellings was not noticed The nght radial pulse was less full than, and in time rather behind the left A humming low-pitched bruit with high-pitched systolic accentuations could be heard over the swelling There was no evidence of intrathoracic angular

The case was typically one of attenovenous ancursm A dissection showed a communication between the upper part of the brachial artery and the inner of the venze comites. The parts were cleaned and the artery and vem were clamped separately above and below the anastomosis the connection between the two being then severed The arternal opening was closed with two layers of fine sutures coo silk and a round needle being used. The opening into the yein was closed with oo catgut

The after treatment was rest in bed and morphia A good result was obtained The radial pulse on the affected side was ultimately weaker and the blood pressure was 20 mm Hg less than on the sound side The author thinks that laminated fibrin was laid down over the atternal auture and this resulted either in closing the artery completely or consider ably narrows g it Í II Settes

Meyer F: Treatment of Varicose Veins by Rind leisch Triedel a Method and Its Results (Die Behandlung des vankösen Sympt makomp nach Rinddessch Friedel nd deren Erk Bu zil Chr og letaux 276 By Zentralbi f d.ges Chir Gren Grenzgeb

The operation was performed on 24 patients on both legs in 6 of them. The technique was as originally described. The chief emphasis is laid on the wide separation of the edges of the wound and as numerous ligations of the eins as possible in order to avoid secondary hemorrhages The dressi g consists of tamponing pressure bandage and elevation of the limb There is pa i for the first few days and on the first changes of dressing One of the chief points in the after treatment is to delay healt g by removing the new granulations every second day The spiral incision is begun above or below the knee according to the extent of the The saphena should be incised and ligated several times

The results of this method are due to the almost complete annihilation of blood and vessel wall pressure by a terrupting the course of various veins

and to the removal of fluid from the region operated on by the opening of lymph and tissue spaces and to the disappearance of all symptoms of inflamma-The duration of the treatment varies from 6 weeks to over a year Eighteen of the patients bad ulcer of the leg and in addition to the operation the ulcers were incised. There was definite cure in salid per cent persisting after a year in 41 66 per cent In some of those that were not cured there was no marked dilatation of the superficial veins so that varices of the deen vessels were suspected. Parona recommends in such cases the gation of the populteal vein. The results are much better in nure varices. All 6 of the nationts were cured and remained so a year after WEIGHERT

Sherrill J G: Direct Suture of the Brachial Artery for Traumatism Restoration of Circulation: Subsequent Development of Ischæmic Paraly als. Old Dom son J., 1914, xvii 113.

By Surg Gynec. & Obst.

The following case of ischemic paralysis is reported by the author

A young man 23 years of age had his arm caught and twisted in a centrifugal machine, in such a way that a backward dislocation resulted at the elbow When seen an hour later he complained greatly of pain there was a marked purple swelling in the forearm and the radial pulse was absent there were no symptoms of a false aneuram both bones of the forearm were dislocated backward but the skin was unbroken. After three hours treatment there was no improvement in the circulation but the pain swelling and discoloration increased. At operation the humerus which was lying in front of the coronord process of the ulna was restored to its position. The ends of the brachial artery stood forth prom mently in the wound both being filled with blood clots no fresh blood being present. The clots were removed and a Crile clamp placed on the distal and proximal ends of the vessel The sheath of the artery was torn away from the distal portion and had contracted somewhat over the proximal end. This was held out of the way while the vessel itself The method of Carrel was employed was sutpred The median nerve was exposed in the wound but was apparently uninjured. The skin was closed without drainage and the arm put up in partial flexion Within five minutes after the vessel was sutured, circulation had returned in the hand although the radial pulse was not felt. Later it was fully restored

The patient made a somewhat protracted convalescence and was disturbed some by numbness in the fingers which was thought to have resulted from stretching the median nerge. In dressing the arm great care was used to prevent construction of the circulation The patient had some slight impair ment of motion at the elbow and also partial inter ference with pronation and supposition. A contracture took place in the forearm and hand which simulated that resulting from ulnar paralysis.

Early forcible correction of the deformity was accomplished but always with considerable pain to the patient. Subsequently the west became more firmly fixed and the tendons contracted so that attempts at restoration were meffective. Heat sensation also was absent At a subsequent opera tion the ulnar nerve was found to be normal and the contracted tendous were cut Slight improvement was noted in the sensation of the fingers and the deformity was considerably less. The electrical findings showed degeneration of the ulner nerve and muscles of the forearm and hand. Massage the application of heat passive motion and the em ployment of electrical stimulation have all been used on this patient

The author discusses the case and concludes that the ischemic atrophy and paralysis may occur as a result of arterial interruption which must be nearly or quite complete and usually of over two or three hours duration EDWARD L CORNELL

POISONS

Lukus J: Presence of Tetanus Germs in the Excrement of Horses (Uber das Varientes Tetanuskense in den Exkrementes de Pierdes) Zinh f Iteraed 0 4, zwii 7 By Zentrabl 1 d ges Chur u ! Grenzgeb

Among 17 borses the author found tetanus spores in the excrement of 16 which confirms the results of his previous experiments showing that tetanus germs are almost always discharged with the faces of our large domestic animals this explains their wide distribution Lukas gives his own experience in growing the bacilli with Independent improvements in the method He calls attention to the pseudo forms of the tetanus bacillus which cannot be distinguished from the true Aicolater Kitasato type morphologically but only by animal experimen KRELTER tation

Franz. V Intravenous Injection of Corrosive Sublimate in Septic Diseases (Über intravenose Sublimatini kuon n bei septischen Erkrankungen) Beitr z H. Chir. o 4 Izzavin By Zentralbi i d ges Chir u. Grenageb Beste 2 kl Chie

Frans experimented in 20 cases with 1 travenous

injections of 1 1000 bichloride solution in doses of to com containing, therefore o or bichloride per There was one anthrax infection and to streptococcus staphylococcus and colon septic

The blood examination showed streptococci in 8 cases In 2 of these cases the bichloride injections had no effect while in the other 6 cases the bacteria disappeared from the blood after the second or unsuppearent from the oncor after the second or third injection, 5 of the cases recovered while the aixth dard of liver abscess. Of the 11 cases with negative blood findings 5 dard among them 3 cases of puerceral infection. Even in the 6 cases which recovered Franz thinks the beneficial effect of the bichloride was questionable

In the anthrax case which recovered, no bacteria were demonstrated in the blood. After the first injection the temperature sank and improvement began but Franz does not feel sure that the improvement was due to the buchloride. He thinks that it genia, and in such cases he thinks it worth trying when other barmless methods fail Great caution should be exercised, however in the use of such injection as it is by no means harmless and should he used only when there are special indications

There were no serious by-effects in any of the author's cases The blood was not harmed in any way by the z 1000 solution Even when 4 6 cg was used within 72 hours and 8 cg within 192 hours there was no injury to the kidneys but in 50 per cent of the cases there was distribute and pain in the abdomen. In the fatal cases the bichloude was pever the cause of death M Vost Remore

SURGICAL THERAPEUTICS

Kolbé Intravenous Treatment of Hydstid Cyst by Arsenobenzol (Le tratement intra-veneus du kyste hydstique par i arrénobenzol) Pres sed 9 4, zil, roj By Journal de Chrungo.

In a paper read before the Society of Comparative Pathology holbé gave a suggestive and interesting paper on the treatment of hydatid cyst with arsens-benzol — salvarsan or even better neosalvarsan, or similar preparations. He showed the dangers of echinococcus infection and pointed out the fact that sometimes, though rarely recovery takes place by spontaneous asentic absorption of the cyst the ideal treatment therefore would be to bring about this curative process by some simple means, or to destroy the embryos before the cyanc period. He suggests utilizing to this purpose the para-sticidal effect of arsenobenzol which has already been demonstrated on spirilia, trypanosomes, filaria etc. It is logical therefore to count on its steribring effect on cestodes especially tenta ech no-coccus. This is no longer a mere hypothesis, for it has been confirmed in two cases by Prof Rou of Lausanne Lolbé reports these cases in detail In both cases a week after an 1 travenous injection of arsenobenzol there was a ruse of temperature and the discharge through an incision of a turbid cystic find slightly purulent nd the vesicles showed pecrosis

There is some danger in the sudden necrosis o large cysts followed by uppuration therefore i becomes imports t to diagnose the presence of echinococcus early before the surgical period Among the new laboratory method for accomplishing this purpose may be mentioned radiology which though still imperiert aids greatly in the early diagnosis of hydatid cyst of the lung and live Gradually the absolute and relative indications for the use of argenobenzol will be established and u order to establish them experiments should be performed on domestic animals spontaneously or

15 00 gr

voluntarily infected with echinococcus By means of such experiments it may become possible to sterilize the dog and cut against echinococcus for it as well known that they are the most dangerous agents in propagating; if in the discussion Weinberg of the Pasteur Institute of Paris declared that recently one of his colleagues had succeeded in making expiacret in rabbits disappear by the injection of modified 666 which confirms the new therapeutic method experimentally J Diversers

Schiasai B New Physiological Solutions (Nou elles sol tions physiologiques) S make med 1913
xxx 589 By Journal de Chururgie
It is adoutted that the so-called physiological

It is admitted that the so-called physiological solution of 0.75 per cent sodium chloride given for the purpose of overcoming intoxication on the contrary often aggravates the condition of the In some cases after the administration of this saline solution there is an increase in blood pressure and diuresis but sometimes there are signs of progressive and premediable advasmia. The sodium chloride absorbed from the solution causes an impoverishment of the cellular elements of the tissues depriving the nerve tissue especially of calcium and potassium the calcium sometimes being decreased fifty per cent As culcium has a tonic effect on the nervous system, it may readily be seen that copious injections of saline solution might depress the nervous system Mareover this degree of concentration of sodium chloride may injure the kidneys on which the work of elimination devolves

Therefore Schasas has devised two new physicological solutions one for subcutaneous and intravenous injection the other for rectal installation by the drop method They are to some extent a combination of Ringers and Locke's solutions and the amount of sodium chloride is markedly de creased — (6 50 per 1000 installed of 75 per 1000), in place of the sodium chloride a certain amount of potassium is added and also of calcium which in addition to its one properties facilitates congulation of the blood which may be of great service in surgical diseases. He has also increased the amount of bicarbonate of soda for in surgical patients symptoms of acudous are often observed and it seemed wase in order to neutralize this acidous to increase the alkaline resources of the body. Glucose is durette energy producing nutritive and a cardiac tonic. The following are the formulas of the two solutions.

Of the two solutions	
For hypodermic and intravenous a	
Pure sodium chloride	6 so gr
Potassium chloride	0 30 gr
Calcium chloride	1 00 gr
Sodium bicarbonate	0 50 gr
Glucose	I SO gr
Distilled water	1000 gr
For rectal injection by the drop m	ethod
Sodium chloride	6 50 gr
Potassium chloride	0 30 gr
Calcium chloride	1 00 gr
Bicarbonate of soda	O So gr
Glucose	50 DO 97

The large glucose content of the last solution is noteworthy this is of advantage when absorbed though the direct injection of such large quantities of glucose into the circulation would be more dangerous than useful. In general the author believes that rectal absorption should be tuthized more generally in surgery than it now is for two reasons () Loudos introduced per rectum undergo transformation in the portal system and are used to rectain the properties of the properties

Pure ethyl alcohol

Distilled water

The ethyl alcohol mentioned in the second solution in small doses favors the penetration of liquids through the intestinal walls and increases the diffusibility of the solution I Dunovi

GYNECOLOGY

TITERIIS

Smith, W S: The Early Recognition and Practical Prevention of Uterin Cancer Md M J 1014, lvu, 69 By Surg Gyne, & Obst.

The author calls attention to the appalling prev alence of this scourge A careful estimate has placed the number of deaths from cancer in the United States at 80 000 annually He deplores the fact that in the past so little attention has been given to the early diagnosis of cancer

Hemorrhage leucorthora, or pain, especially in women between 35 and 60 years furnish sufficient reason for a careful physical examination followed.

if necessary by a prompt resort to the microscope An interesting point in connection with cancerous nodules of the cervix is that the mucous membrane which overlies them is not alone convested, but upon palpation it seems glued to the structures beneath and does not glide readily over them as in the nor mal and benign conditions The author believes this analagous to the retraction and dimpling of the skin in cancer of the breast

The author believes with Bossi that the proper treatment of cervical lacerations endocervicitis, and endometritis would prevent many cases of cancer A really humanitarian and clinically scientific work would be a propaganda for the prophylaxis of cancer of the uterus by timely systematic and persevering surgical treatment of beingn affections of the cervit and uterine cavity CHD vts

Tauffer W Treatment of Uterin Cancer with

Assurer w restment of Oterin Cancer with Radium with Demonstration of Specimens (Ube II 1 g cruch mt Radi m be Gebrutterbrebs mt Demonstrations). Sides 2 b d Byd beil k Art , 913 11,43 m by Zentab b i d ges Gynak Gebutch a d. Geenzeb

The author gives a list of the numerous points that are still undecided in radium treatment and concludes that in spite of the many questions and doubts in regard to it it is still a beneficent method of treatment and experiments in its use should be extended by the state society and physicians With previous methods of treatment only so per cent of the patients suffering from uterine cancer had any chance of recovery The other 80 per cent were hopeless, but with radium assonishing effects have been produced. The hamorrhage stops in a few days, also the odor the discharge and the terrible pains restful sleep 1 reestablished as well as appetute and cheerfulness and the pat ents resume hope. In the tumors treated with radium there is not only interstitial escaterzation but destruction of

cancer nests, so it may be hoped that the cure will be permanent But even if actual recovery is not obtained radium at least frees the patient from great suffering and makes the disease more endur HORYATE

Wertheim Radium Treatment of Cancer of the Uterus (Radiumbehandjung des Gebärmetter-krebses) Wass H. W & sch. q13, x2v., 648 By Zentralbl f d ges Gysak. Geburtsk. d Grongeb

The author reports 19 cases of his own of cardnoma of the uterus o of which were operable I a border line case, and g inoperable. They were treated with large doses of radium and mesothorium with strong filtration Among the 9 moperable cases there were no brilliant results complete disappear ance of the tumor occurred only in cases of super ficial carcinoma

Werthern believes he could have secured as good results from excochleation cautemation, of vaginal amputation of the cervix While there was not a satisfactory deep effect in the cases that were later examined microscopically there was considerable injury observed in a number of cases consisting of general weakness, emacration weakness of the heart headaches, duarrhota, ruses of temperature conditions of excitement and sleeplessness. There were other injuries of a local n ture, such as necrosis of the tissues which was not always limited to the site of the diseased focus infiltration of the pelvic connective tissue thickening of the pentoneum inflammation of the lower bowel disturbances in the function of the bladder and more or less severe pain. He believes that these injuries can be very much reduced by means of adequate technique especially with sufficient filtration but with large doses even strong filtration cannot entirely over come such harmful effects, and he believes that the radical operation may be made considerably more difficult after radium and mesothonum treatment

and that it will show a greater mortality

The operation is rendered more difficult by the militration, the hypersemis and sclerosis of the pelvic connective tissue, while the changes in the general condition make the prognosis considerably Worse

For f ture work the author recommends lead fil ters -2 mm thick for the part to be irradiated, s-3 mm thick for the surrounding regio and to o layers of gummed paper to guard galast sec-ondary rays. He intends to give up large doses entirely a d apply continuously not more than 3000 milligram bours, with several days intervals between

auta F Experience in the Gynecological Clinic with Radium and Vesothorium in the Treatment of Cancer (Die bishen en Erfahrungen der I Frau nkhn k mit Radium und mesothori m bei Krebn) II sen med Wehnseh 1913 kun 2953 By Zentralbl. f d ges Gynāk u Geburtsh d Grenzgeb

The author has noted in addition to the favorable local effect on the cancer sometimes to the extent of complete disappearance severe general effects during the application also hamorrhage in two cases a vesico-vaginal fistula in one and a rectovaginal fistula in one Operable cases should be advised to have operation and after treatment with radium severe and inoperable cases should be given radium treatment unless they show severe degrees of cachexia or complete involvement of the vesicovaginal and rectovaginal septa. Method of treat ment three applications of 40-50 mg radium each lasting 5 days with intervals of ten days 100 mg or more should be used only in exceptional cases and then applied only for a short time Real cures can

as yet not be reported Woss ER Glynn E and Bell W B Rhabdomyotarcoms of the Uterus J Ohit & Gynec Best Lmp 014

By Surg Gynec & Obst.

The authors give a treatise on this rare neoplasm base I on two recent cases with a review of 18 cases previously reported.

A pathological description reveal a very complex tumor The trans ersely structed muscle cells are very few and form only a small portion of the growth small spindle and round cells being present sometimes forming a stroma for the larger muscle cells Other elements are (1) multinucleated cells or sarcoblasts noted in 5 cases (2) myxomatous tissue in 7 cases (3) cartilage 5 cases (4) gland tissue 6 cases These neoplasms come under the category of mesodermal mixed tumors and probably arise from displacem nts of embryonic mesodermal tissue from the lumbar region during e ly fortal le While the glandular elements may be derived from the Müllerian ducts it is more probable that they are persisting uterine glands and may undergo collateral hyperplassa or e en carcinomatous de generation CARRY C LB RTSO

Kolde 11 Mysosarcoma of the Uterus (Uber Myxosarcoma t n) 4 h f Gyndh 0 1 0

By Zen ralbi f d ges. Cynak. u Geb rish d Grenzgeb The auth points out the extreme rants of myx ostronma of the ut rus of the d tinction is made between true myxocarroms a d sarcoms with secondary myx m tous degeneration Meyer holds there are only two cases in the literature case reported is a myx matous fbrosarcoma of the uterns in woman 4 v rs old who had been suffer ing from se e ham rihage. The whole ut rine ca ity wa hilled with a soft tumor originating from the body if the uterus Macroscopically it was seen to be made up of connect ve t save and muscular

bands distanded with a mucous substance micro scopically the connective tissue basis of the tumor looked in some places like fibroma in others like spindle celled sarcoma Staining with thionine decided the diagnosis the wall of the uterus was stained bright blue, narrow bright blue processes extended from it which contained areas of varying size that were colored violet which is the staining reaction of mucous METTIN

Bretschneider Visomatous Uterus Treated with Röntgen Rays (Mit Röntgenstrahlen behandelter

myomatoser Uterus) Ze traibl f Gy ak 1914 Exercia 135

By Zentralbi, f d. ges Gynäk, u Geburtsh s. d. Grenageb.

The author presented a specimen obtained on operation a myoma as large as an ostrich egg from the posterior wall of the uterus and projecting partially into the cavity of the uterus Also several small myomata. The ovaries were also removed They were not atrophied and on section showed numerous spots gravish tellow and varying in size from the head of a pin to that of a hemp seed they were not sharply circumscribed. The specimen came from a patient who had had twenty rontgen ray treatments As there had been no results the nationt demanded operation.

The author leaves unsettled the question as to whether the case was a failure of rontgen treat ment From his experience he does not see why the operative treatment of myoma of the uterus should be given up 'mong tot operations for myoma he lost one patient. He opposes röntgen treatment chiefly because among 180 cases he found 8 cases of malignant degeneration of the myoma. He regards a myoma as not cured when after stradiation a large tumor still remains

Sippel A Treatment of Visomata of the Uterus with Rontgen Rays (Die B h odl g de Uterusmjom mit Ro tgenstrahlen) Munch By Zentralbi f d ges Gynak

Geburtsh d Grenzgeb The author discusses the 6 cases of myoma of the

uterus that he has treated with rontgen rays in the past aix and one half months following Albersschönberg s method with the exception that he used a shorter focal distance and a 3 mm. aluminum filter He is not convinced of the harmlessness of Gauss method of giving large doses. The effect of the milder stradiat on is slower than that of the intense irradiation but it is effective and moreover the result of the first method have extended over a period of five years so we are in a position to form a better judges at as to de tant results

The hi f indications for irradiation are found in those myomats that cause severe hemotrhage by developing toward the cavity of the uterus and the mucova loung women need much larger doses than wom n nearing the climicteric. It must be borne : mind also that even when amenorrhora is attained the my oma cells are not destroyed and that

2 The necessity of testing by the Wassermann reaction all patients who present clinical pictures of chronic metritis and fibrosis since this may provide the only evidence of the apphilitic nature of the affection

3 The exact proportion which cases of syphilitic fibrosis bear to similar gross changes produced by other factors must at present remain undetermined until a longer series of cases has been investigated CARP Correspond

Welton T Why the Uterus Should Not Be Curetted a Substitute for Curettage, with a Report of Two Hundred and Eight Cases. Log Id ad M J 9 4 vm St By Swg Grace & Obst

Eliminating the uterine curette as a means of laboratory diagnosis and confining the question to one of therapeutics Welton questions whether or not uterine curettage is ever justifiable.

All of the conditions which usually have been blought to call for uterine curetage are discussed more or less at length and many explanatory examples are given to show wherein utetine curetage is not only intide but absolutely harmful. But, after all, continues the author the main objection to uterine curetage is the utter impossibility

of thoroughly curetting the interior of the uterus. Welton believes that in the vast majority of cases — perhaps all cases of purperal septicemina. — the curette is not only useless but criminal. As a substitute for the curette he offers the application of the so per cent inciture of rodue to the inside of the uterus. The technique of this procedure is as follows:

More the cervis is distred stips of gause as to ught inches long which have been previously socked in the go per cent inneurs of indiae are introduced by means of a sterne sound into the cavity of the uterus Each strip is left in the uterus about one munet then another strip is introduced II a drain is required the last strip of indiaed gause if left in the uterus and removed in about ought.

In 108 cases including 34 abortions of all types 3 miscarriages and 13 post-partium expiremins the endometrium was indinized, as above indicated and in no case was the curette used except for diagnostic purposes

- The following conclusions may be formulated r. The curette is a dangerous instrument and is
- not capable of doing that which it was originally intended to do.
- Curettage in the hands of the mexperienced
 is a difficult and dangerous operation
 Curettage is many times employed without
- 3 Curettage is many times employed without reason has become a habit handed down from a past generation and could well be dispensed with
- altogether

 4 The 50 per cent tineture of iodine (official)
 applied to the inside of the uterus is at the present
 time the best substitute for uterine curettage

HARVEY B MATTER

Patton W T: A Case of Supplemental Vicarious Menstruation Cured by Submucous Resection of Nasal Septum Lay & ope 1914, En & By Surg Gyac. & Obc.

The author reports a case of a woman 20 years old who had harmorrhage from the nose for three day preceding each menstrail flow On examination, the nasal system was found to be deviated in an S shaped deformity touching the turbinstes

on both sides

A submucous resection was done and mace that
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menstrual periods

EURENE CART

Whitehouse, H B : Physiology and Pathology of Uterine Harmorrhage. Lauce Lond 1914 Inner 877 By Sung Gynec. & Obst

This paper deals with the physiology of uterase hamorrhage. The most interesting point brought out as a result of the author's expensive is the effect of the cervical and uterase secretions on the

menstrual blood

It was noted that the formation of a menticul
clot was usual in the lower animals and by question
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attempt by the author and Matthand to discover

an antithrombin gave only negative results. Whitehouse makes the statement that with the healthy and normal endometrium clotting always takes place in the utenne curity. This was discovered when an attempt was made to obtain blood from the utenne cavity by means of a utenne castheter. The blood als ye clotted in the tibe even when the tube was olded and paraffined.

The question arose as to whether there was not a specific thromoblysus in the uterane secretio. To prove this measurant blood, both vaginal and uterane was obtained and added to blood from the basiles with. This musture clotted in a short time and on incubation the clot was resolved without from 6 to as hours. In other experime ta short time of the short of the contract of the co

N tt the effects of muca, calcium salts lactic and butyne acids—substances present in menticul blood—were tried on the congulation of blood s of resolution of the clot — they were negative

The author notes in passing that ovarian blood cysts have a thrombolytic action, but is co tradition to meastrail fluids they contain no calcium salts while meastrail fluids contain more than the usual amount

In brief, it is shown that the menstrual docharge must be classed under two beads vis (s) contents of the uterus, and (s) contents of the vagna. The menstrual blood clots very rapidly s the uterus and is then digested by a lyain and passes into the vagna usually in a fluid state. Weishaupt E: Eosinophilic Leucocytes in Infammatory Infiltration Especially in Carcinoma of the Uterus Treated with and without Irradiation (Übe eosinophile Leukocyte in entaindiuchen losiltrate besonders der mt und hes Strahlentherapi ortehandelten Uterus-

Carcinome) A ch f G at 1913 ct 480 By Zentralbi f d ges Gynal u Geburtah d Grenzgeb

The examination for local increase of cosmophilic leucocytes showed positive results in 59.3 per cert of the cases, most of them carcinoma of the female gentalia. In other tumors and in inflamed tissues there was a local increase of cosmophiles in only 20 per cent of the cases.

In an alveolar carcumona of the cervut that had been treated with small dose of todagen rays there was a maximum increase in counceplant leucocytes but atth only a few badly preserved plasma-celllemosphilic leucocytes and plasma cells as wellcoccus in great numbers only in somewhat succellent lyung tastue they disappear from necrotic and seletrotic hyalme tissue regardless of whether this coodition has arisen spontaneously or as the result of translation.

Local cosmophila is found in beginning as well as advanced excrimon and in those that show necroiss and hismorphiage as well as those that do not local cosmophila is less uniform and less pronounced than plasma cell uffictation with neutral contraction of the companies of the comtained that the companies of the comlet always an uncreased number of cosmophile leucocytes in the blood yeasels of the region

Poth, II Torsion of the Myomatous Uterus (Kasustischer Beit ag ur Achsendrchung des myom tosen Uterus) Zentr M f G; k 9 3

zaxu 47 By Zentralbi i d ges Gynak u Geburtsh s d Grenzgeb

A fifty six year old unmarried woman had passed the menopause five years before At 35 years of age her abdomen had begun to increase in size Four weeks before the present illness there had been increased growth of the abdomen pain and con stipation. Two days before the operation she was troubled with sudden severe pain, vomiti g and complete constipation Laparotomy was per formed because torsion of the pedicle of a tumor of the right ovary was suspected. There was a hemorrhagic exudate in the abdominal cavity A tumor as large as a man s head was found at was ligated The uterus with the adnexa and the right broad ligament was twisted 360 around its long axis from right to left. It was amoutated with the adnexa at the point of torsion The myoma weighed 3750 gms On the anterior surface of the fundus there was a subserous myoma as large as a walnut and on the posterior surface an interstitual one the size of a dove's egg. The torsion was probably started by the patient a work as a seam

stress and the immediate cause was probably active penstalists and change of position in sleep Elighty two cases of torsion of a myomatous uterus are described in the literature Moralles

Peterson E. A: Streptococcic Infection of the Cervix Uteri. Med Rec 1914 ltxxv 571 By Surg Gynec & Obst.

Examination of a young girl of 18 years showed the vulus to be the set of an intense expupeloid inflammation involving the entire gentless and the inflammation share for a distance of one inch. This was accompanied by much itching and burning Leucorrhera was also present. Three such attacks occurred and the leucorrhera at no time creased between attacks although antisecute doucless were

After the third attack a vaginal examination was nade and the portio vaginals of the cervix was found to be red and denided of mucous membrane After a treatment of daily applications of argyrof tampons for a month the condition was cured Bacterological examination showed the presence of many short chaised strepticocci There was no recurrence of the former condition and the leutor those cessed ELGET CANY

Whitehouse B Syphilis in Relation to Uterine
Disease. J Obst & Gysec Brst Emp 1914 xxv
3 By Surg Gynec & Obst

This paper is a preliminary report on a series of a cases of chronic mentitus of which a history of sphilis was obtained in but one but of which of sphilis was obtained in but one but of which of space a well marked positive reaction to the Vasser mann test. The author had usually regarded fibrous uter as being a reparative process secondary to degeneration of the myomatous clements Espace cally in elderly women that was thought to be the result of arterioscierous but in the light of the positive Wassermann reaction at would appear that this forms in also at times associated with a observation that care this agrees with Andrews observation that care this agrees with Andrews observation that care this agrees with Andrews observation that care this agrees with a significant of the sphilitum of the support of the symphilitum of the symphilitum infant. Many Jesions in the acquired disease take the same form

The writer a investigations were made along two lones of inquary (1) the application of the Wasser mann reaction to patients who present uterain elsons and (2) attempts in demonstrate the spirochett pollida in the tissues or secretions of the uterain. Thus for Whitelouse lass failed to show the uterain. Thus for Whitelouse lass failed to show the literal was a method. It should be noted that of the yearness method it should be noted that of the yearness method and were multiparte. The conclusions thus ten tatwely formulated are as follows:

1 The importance of recognizing a form of fibrosis of the uterus produced by the virus of syphilis in other words the existence of a true syphilite fibrosis 2 The necessity of testing by the Wassermann reaction all patients who present chuncal puttures of throme metrits and fibrosis since this may provide the only evidence of the apphilitic nature of the affection

50

3 The exact proportion which cases of syphilities fibrous bear to similar gross changes produced by other factors must at present remain undetermined until a longer series of cases has been investigated.

CASET CULBERTON

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The following conclusions may be formulated

The curette is a dangerous instrument and is
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3 Curettage is many times employed without reason has become a habit handed down from a past generation a d could well be dispensed with altogether

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HANTE B MATTERMS

Patton W T A Case of Supplemental Vicarious Menstruction Cured by Submucous Resection of Nazal Septum Largescope, 1914 In 184 By Surg Gyac. Abst.

The author reports a case of a woman 20 years old who had hamorrhage from the nose for three days preceding sech mentation flow On examination the nasal system was found to be deviated in an S -shaped deformity touching the turbinates on both sides.

A submucous resection was done and since that time no hamorrhage has occurred preceding the menstrual periods EUGYVZ CARY

Whitehouse, H B: Physiology and Pathology of Uterine Harmorrhage. Lonci Lond 914 cixxvi, 817 By Surg Gyner. & Obst

This paper deals with the physiology of uterine hemorrhage. The most interesting point brought out as a result of the authors expenses is the effect of the cervical and uterine secretions on the menstrual blood.

It was noted that the formation of a menstrual clot was usual in the lower ammals and by questioning 120 women it was found that 50 per cent found small clots in their menstrual flow. The question arose. Why does not all the blood clot? An attempt by the author and Muthand to discover.

an antithrombin gave only negative results. Whitehouse makes the statement that with the healthy and normal endometrum clott g always takes place in the uterine cavity. This was due on yed when an attempt was made to obtain blood from the uterine cavity by means of a uterine catheter. The blood sitysys clotted in the tube

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of the uterus, and (2) contents of the vagina. The
menstrual blood clots ary rapidly in the uterus and
is then digested by a lyan and passes into the vagina
usually in a fluid state.

The author discusses the histological character istica of the measurating endometrum as described by Alder and Histohum. The condition is divided into (a) premetatual (a) experimental (a) experimental asigns. The premenstrual period is thus when the tells of the endometrum have resched their highest stage of physiological development and at this time they exhibit in many cases a decidual appearance or a decidual reaction as shown in figures in the original strictly.

If pregnancy does not now take place menstrual hamorrhage occurs and tissue cells are lost. The post menstrual period is a reconstructive period.

As regards factors in the production and cessa tion of mentarial hemorrhage there are three possibilities (1) the effect of uterine contractions limit ing the supply of blood (2) the action of horizones producing capillary distation is utere and (1) abochemical function of the endomentum Bel and the author have both caused uterine contracts in rabbit by injection of uterine secretions on in this way by real-sorption uterine blood flow may be limited. Bond has gone into this chemical composition of uterine secretions and has artificially producted by the contraction of the cont

The experiments as far as the investigation has gone appear to show that the uterine secretion in rabbits at least is under the control of the oyames both as to amount and physiological action The normal secretion apparently aids coagulation of the blood-a noint of interest when it is remembered that pro-estrum in this animal is not associated as a rule with external hæmorrhage The secretion also appears to stimulate extrum Bond's experi ments ha e shown that when the fluid is pent up as in artificial hydrometra, cestrum is frequent and prolonged and the author's investigations certainly tend to confirm Bond a observations It appears pos sible therefore that uterine secretion stimulated and controlled by an ovarian hormone is partly absorbed and produces that dilatation of essels which is characteristic of the late stages of pro-cestrum and immediately precedes astrum

The effects of extracts of heep s endometrium and ovary containing corpus luteum on the uterus and ovaries of rabbits was ried but only negative results were obtained Liggue C av

This disease affect only women who have more or blood reaction of \cumman and Hermann The shin affection beg with hypergem a of the pen foll cult vessels followed by serous or bloody exudation and the formation of vessels on the epiderms:

In mild cases the process ends in a few days in sever cases there may be necrosed in the nature of an infarct which extends entirely through the cuts and heals slowly leaving severe scars. The exuption may appear over the whole body but it is almost always symmetrical. The disease often appears as a symptom of puberty. Therapeutically ovaraden inferent seems to have a good effect. The author thinks it certain that the skin symptoms are not artifacts. The chology seems to indicate a disturbance of the internal secretion of the ovary but nothing is known as to the nature of it.

The author rejects the theory that it is a tropho neurotic disturbance. To prove that dermatoris dymenorphota symmetrics is an independent chin ical entity he discusses the so-called angioneuroses, which have the characteristics of herpes and can be traced to lessons of definite nerves. RUBERLY.

Friedrich M Amenorthom and Tuberculosis a Clinical and Experimental Study (Amenorthos and Phihase Enne klunsche und expermentelle St die) Arch f Gynäk 1013 c 1376 By Zentralbi I d. ges Gynäk u Gebutah s d Grenzgeb,

The results of the author's experiments are as follows Amenorrhoa very frequently accompanies pulmonary tuberculosis therefore it has been very commonly assumed that there was a causal relation between them Lipold determination does not show any such relationship It is probable that the ovaries are very sensitive organs and the crassion of their function shows a decreased resistance of the body or a disturbance in the equilibrium of metab olism Animal experiments did not show that lipoidemia favored the dissemination of the tuber cular process in fact they indicated the contrary Tuberculosis made marked progress only in preg nancy which shows that special factors are at work in this condition. In intoxications there was no effect on the process either for good or evil But lipoidemia is an important factor in pregnancy It is possible that in this condition lipoid determina tion may be a valuable means of diagnosis

RUNGE

Van Teutem E. S: Does Retrofferion Cause Symptoms (Macht Retroffer Symptome)? Mandbl peri t en processes 913 is 61

Mandbl peri k en srouvens ot3 h 62 By Zentralbl i d ges Gynak Geburtsh a d Grenzgeb

The answer to the above question seems to the author important from a medicolegal standpoint. He examined 441 parious and 212 nulliparous women at the Leden spreedogoral clinic and concluded that retroflexion sufficient synaptoms is very unusual the nulliparous women complained 7 per cent of the nullipare and 60 per cent of the nullipare paid and per cent of the nullipare and 60 per cent of the nullipare are consortion.

There was leucorrhors in 77 per cent of the multiparse and 62 per cent of the multiparse white the same symptom occurred in anteffexion in only at and 20 per cent of the cases. Sterulty was not increased by retroflexion but the tendency to abor tion was. About 20 per cent of the women com plained of general disturbances such as nervousness and stomach disorders

Astheme symptoms were found twice as often in women with retroflexed uten as in women with uter in a normal position. In almost all of the cases the author believes the symptoms were to be attributed to the retroflemon Asthema is rarely diseases of the adnexs and prolapse practically never the cause as the tables relate only to movable retroflexions doubtful cases were eliminated C H STRATE

Stark, S. The Etiology of Pelvic Prolapse, Anatomically Considered. Lancet-Cl , 9 4 cm, 369
By Surg Gynec & Obst.

The views presented are the result of dissection seven pelves from subjects who had met with laceration of the outlet and presented varying

degrees of prolapse Differences in character and degree of descent of pelvic structures are dependent upon variations in the nature of existing lesions. Although the paper only takes cognizance of prolapse due to anatomical trauma with the sequeles thereof the author states that the same underlying principles can be made to apply to congenital prolapse to that associated with spina bilida extrophy of the bladder and that consequent upon sensity. It is his belief that prolapse is at all times the direct result of a fault in the connective-tissue structures of the genute urmary organs. He has no faith in the influence that the levator am or any other permeal muscle directly exercises as supporting agent and believes that this power is only operative through the medium of its fascia. It is high time he thinks, that reference to tears through the levator ant muscle and textbook illustrations of this char acter were eliminated for they are pure figurents of the imagination In all the minute dissection made by Tandler and Halban, Edward Martin and Liepman not once did they encounter a tear through the levator muscle

The author then takes up the normal position of the gento-unnary organs. This is followed by a description of the anatomy of the pelvis and the rôle played by the various fascial layers From his studies Stark holds that the descent of the uterns or bladder wall is entirely due to damage to the pelvic connective tissue and prolapse of the vagino-rectal septum to a lesion of the connective tissue of the pelvic outlet It is an accepted observation that complete laceration of the permeum is very often unattended with descent of the pelvic viscera. The enlargement of the genital histus is the direct result of a defect in the permeal fascia which per mus the levatores to roll outward and consequently toward the lateral wall of the pelvis The atrophy and fatty degeneration are secondary conditions following the pressure and circulatory disturbance occasioned by the prolapse Daw L. Countil.

Schubert G : Transplantation of Fascia in the Treatment of Total Prolapse (Die Verwertung der frenen Fastien-tramplantation zur Heilung des T talprolapses) Zentralbi f Gynök 9 4 krivm.

By Zentralbi. f d ges Gynäk, u Geburtsh a d. Grenzreh

The author describes in detail a procedure by which he tries to supplement the defective function of the ligaments of the uterus by means of transplanted fascia. By fixing a band of fascia in the region of the sacro-uterine ligament the prolapsed part of the lower segment of the uterus is lifted up and held in a position of anteflexion by a sort of lever action the fulcrum of the lever being about at the level of the insertion of the round heament in the normal uterus By fix ng the free end of the band of fascia to the abdominal masculature the fulcrum is kent from a nking further

Watkins T J Transposition of the Uterus ad Bladder in the Treatment of Extensive () tocele nd Uterine Prolapse J Muck St M Sec 0 4 lu, 27

Cystocele is herma of the bladder -uterine prolapse is hernis of the uterus. The transposing I the relat ve positions of the bladder and uterus cures the cystocele The bladder rests moon the postenor surface of the uterus The uterus plugs the hermal There has been no recurrence to the author's knowledge of the cystocele in an expen ence of sateen years. Some recurrence of the uterme prolanse has occurred in 5 to 10 per cent of Cases

The fundus the cervix or the fundus and cervix may protrude into the vagnal onfice This however is easily remedied by a second operation. The operation should be modified as required in

each nd vidual case as follows (r) Very large uterus (2) hypertrophied or much elongated cervix and (3) extensively elongated broad legaments

The modified technique consists in (s) Excision of part of the large uterus the antenor wall and part of the fundus (2) high amputation of the cer viz (3) when much of the uterus is removed or a high amoutation made excision of all of the uterine mucosa simplifies the technique

Thorough reaming out of the cervix is valuable in cases of complete uterine prolapse Firm closure of the permeum is essential to a good result

Stickel, M. Experimental Study of the Effect of Glands of Internal Secretion on the Activity of the Userus (Experimentalle U tenuchungen ther den Emilius der Drusen in 1 marcer Sekteina auf der Ulterustragien! Arch J And Physiol

By Ze traibl f d ges. Gynak. Geburtsh d. Grensgeb Spontaneous contractions of the uterus are only rarely found in virgin rabbits. In rabbits which hive

delivered young there are almost always spontaneous contractions, while in rabbits which have been contracted the curve resembles that of wrigh rabbits. The uterms curve of rabbits whose overse have been treated with routger rays is similar. The wighin uterus responds the least the pregnant uterus the most to oxytocise.

The substances that attimulate the uterus to contractions in rabbuts that have been delivered of young are ovarian extract a corpeus luteum extract of cattle and ovarian extract of normal rabbuts and those that have been treated with rontgen rays. Corpus Interum extract has the most pronounced effect but the effect is less marked in

castrated animals

Extract of ovares of rabbits that have been treated to hotgen rays has an especially active effect on the uterus of rabbits that have been treated with the rays. He comes to the conclusion that there is in the body of the rabbit is hormone that inhabits uterine contraction and that there is an ovarian hormone that is antagonistic to it. Large

Schmauch G The Thyroid Gland in Woman and Its Effect on Menstrustion and Pregnancy (De Schildduse der Irau und hr Einflus auf Mentrust on und Schwangerschaft) M stecht f

Geb rish u Gyndk prij xxvini, 66 By Zentralbi f d ges Gynak u Geburtsh d Grenzgeb

The difference between man and woman is due not only to the owary but to the whole system of glands with internal secretion. The percoducity and greater mitab lity of the organs is specifically features. Providency in manufested by measurement of the percoducity of the percoducity of the percoducity. The participation of the thyroid is shown by its increase in size during the period.

A further evidence is furnished by the history of a case of amenorahcea with menstrual mobinen in which thyraden had a temporary curative effect

The periods often occur prematurely during thy road therapy a case being reported by the author in which sugraine appearing first at the time of the periods and then more frequently was cured by thyraden

In another woman with symptoms of Basedow's disease there was a decrease in the menstrual discharge in a later stage of hypothyroidism it was increased and will later under thyroid medication it returned to the earlier type

In the beginning of prepainty there is frequently insufficiency (the thyroid gland \ normal course is possible only if the gland is sufficiently active as possible only if the gland is sufficiently active and the charge in metabolism such as the removal of calcium phosphorus etc for the nutrition of the future in the gland with internal secretion evidence of which is found in the insufficiency of the subspace is not settled by preferentiation and in hyper subspace in the properties of the prop

The hypersecretion of the thyroid enables the mother to give up more salts for the nutrition of the foctus. If this were not the case the maternal organism would be exhausted by the foctus there fore women who have lost the necessary elasticity of the organs suffer much from pregnancy After delivery the functional capacity of the glands is decreased again without any disturbance this decrease is as inexplicable as the earlier increase. Ovulation may furnish the stimulation for the forms tion of myomata pregnancy interrupts this period ical stimulation and may therefore tend to prevent them In one case a myoma was found during pregnancy that could not be demonstrated two and one-half years later Sterility frequently produces numerous unpleasant symptoms that disappear with the beginning of pregnancy KERMAUNER.

ADNEXAL AND PERIUTERINE CONDITIONS

Meyer R Pathological Anatomy of the Ovary
(Be t age zur path logischen Anatomie des Ovarsums) V handt d deutsch path Get lisch 1913

396 By Zentraibl I d ges Gynzik u Geburtsh s d Grenzgeb

The chef sources of ovarian cysts are (i) Cysts which originate in periodiporitis by heterotopic proliferation of epithelium and the formation of an epithelium lang to absens exities (2) cysts of the rete and of the medulla and (i) parenchymatous cysts, in which folkedlar cysts and corpus luteum cysts may be distinguished. Meyer draws a sharp distinction between these two forms contrary to attack the contrary to a cysts. The contrary is the contrary to a cysts of the c

Kell r R Functional Test of Acti Ity of the Overy (Der F niktonsprilungen der O arial tättigket) 16acke med IV hanch 1913 1 563 By Zentralbi I d ges Gynúk u Geburtsh s d Grenzgeb.

The author reviews the experiments of Cristo-foletti and Adler as to the inhibitory effect of the ovary on the chromotina system. The subjects were a patients with immediate system. The subjects were a patients with immediate system of the memorates and 13 castrated only a times that are as a gardreally solution was used in serious years and the strongly positive resction only a times that cause of marked symptoms of the climasteric three sees of marked symptoms of the climasteric three sees of cases of severe meastral homotrolage. The reaction to a coopy of stropuse and a coopy of the carpine was positive only 15 times out of 15 cases of severe meastral bleeding in one of which the adversalm reaction was also positive in 19 normal control cases it was positive 3 times.

The conclusions is that the function of the overy

cannot be tested by the reaction after injections of adrenalm or of atropine and pilocarpine.

BUZZE GEIGER.

Perkins, C. W Concer of the Overy with Rupture in a Child of Eight Years. J Am Int Homes 1914, vi 700 By Surg Gyner, & Obst.

Perkins gives a short resume of the literature and reports a case of sarcoms of the ovary in a garl of

eight years

At the Massachusetts General Hospital, between 1870 and toto there were only 54 cases of cancer of the ovary in 6 of these there was no operation in 19 there were at autopsy evidences of ascites 5 cases were sercome but one of these had serites No ages were given Lahey reported a case of carcinoma of the ovary in a girl eleven years old. According to Pfsnnenstell the average age in his series was thirty-two years

It is said that sarcoma of the overy is almost siways primary and that if secondary it is from the uterus In Perkins case the uterus was normal but the omentum was sarcomatous so that the growth must have been secondary to the omentum

The following conclusions are appended The accurate diagnosis of malignant tumors in

young gurs is rarely possible
2 Fluid in the abdomen in a child without general agasares, provided pencarditis and circhosis e excluded should always be investigated by exploratory laparotomy

3 Ovarran tumors ut young girls should be removed immediately 4 The occurrence of metastatic nodules in sur

rouzdme structures is almost certain HARVEY B MATRICULA

Kiein G: A Hitherto Unrecognized Function of Malignant Ovarian Tumors (Uber cine basher nicht bekannte Funktion mahgner Ovarialtumoren) Zirche f G-b rith Gynalt, 913 hrs 3 By Zentralph I d ges, Gynalt u. Geburtah s d. Grenzgeb.

On the microscopical examination of two malig nant papillomata of the overy the author found immediately under the surface epithelium of the will, and only there that the connective tissue was saturated with scrous fluid. This was due to absorption on the part of the tumor epithelium which had taken up fluid from the lymph-spaces of the abdominal cavity. This flind may possibly have a toxic effect on tumors. If this is true, the appearance of ascites in malignant tumors is to be regarded as a protective procedure on the part of the body designed to destroy the tumor Therefore the subcutaneous injection of ascitic flind may

Lewitsky, M. D. Primary Carcinoma of th. Tube (Zor Fraga des pamaires Tubencaran ms) *Elicki* f. Geb. risk. Gyn. k. g. g. rwyn, 1805 By Zentralbl. f. ges. Gynak. u. Geburtsk. u. d. Grensgeb.

RITTERSHAUS

be regarded as a rational therapeutic measur

A short description is given of the published cases of primary carcinoma of the tube From these and his own cases the author describes the cl meal and pathological anatomical picture of the disease

Preceding inflammation of the tube is an etiological factor. Most cases are in women who have had no children or only one It generally appears during the chimacteric Cramplike pains are among the early symptoms There is leucorrhes which is first serous, then scropurulent and finally bloody It s periodical and when it appears the tube decreases in size Frequently there is dysuris, but often there is no decided cachezia. The symptoms mentioned, except the cramphile pains are moonstant therefore there are difficulties in the chinical diagnosis

Primary carcinomata of the tube are of papillary structure from the size of a plum to that of a child's structure from the size of a pigm to that or a count bead and hard in consistency. They are mostly attuated in the true pelvis to one side and behind the uterus. Microscopically they may be papillary or villous alveolar or mixed generally the latter As to the structure of the epithelium they are cylindrical celled cancers Unfa orable conditions of nutrition lead to degenerative processes and denosition of calcium Extension of such cancers is by continuity and metastasis The treatment consists of operation There are different methods of by laparotomy eration the radical, the supravaginal, removal of both tubes, or removal of only the diseased tube Recurrence is frequent and generally apprears between the nineteenth and twentieth month many cases show the result depends not on the meth od of operation but on the operation being performed early

Famyo, J: Primary Carcinoma of the Tube (Uber das primare Tubencarcinom) Zentralii f Gradi

19 3 EEEVH 1317 By Zentrafol, f d ges Gyndk, s. Geburtah, a. d. Grenzgeb.

Cancer of the tube has only been diagnosed in 6 s per cent of th cases Fony6 distinguishes o 5 per cent of the cases rough distinguishes cancer of the nucous membrane (a) uniple papil-lary curcinoma (b) alveolar papillary carcinoma and cancer of the wall of the tube alveolar carcino-ma (Friedenheim). He regards the papillary type as the chief one the others being merely variations of it. None of the methods of treatment have been successful because the diagnosis is generally not made until the disease is in an advanced stage As only the early stages give any hope of cure by radical operation and as diagnosis at this stage is very difficult Fonys recommends that radical total extirpation with removal of the retroperstones. glands be performed in all cases of doubtful tumors of the adnexa E HOFFMAN

Kraus E. Epithelial Proliferation in th Tube Resembling Carcinoma (ther carcinomishinche Epithelwucherunge in de T be) Gynth Rust-che 9 3 vii 255 By Zentralhl. I d. ges. Gynsk ii Gebuttsh d Grensgeb

The uthor examined to inflamed tubes histologially thirty-eight showed no proliferation of the chi-thelium and 22 showed proliferation. Three of these resembled carcinom—the epithelium had penetrated the entire stroma. This similarity to carcinoma has been described by most authors in connection with tuberculosis but Von Franqué had a case in a non tubercular salpingitis the author found that it was not tuberculosis but inflammation that was respon sible for the proliferation. Among the 60 cases there were only 4 cases of tuberculosis and none of these showed any similarity to cancer

The author explains the extreme degree of proliferation as follows The products of inflammation stimulate the epithelium to proliferation in places where the secretion stagnates the irritation acts over a longer time and the proliferation continually progresses The question of the etiological relation between cancer and inflammation cannot be decided for it is generally very difficult to decide whether the inflammation or the cancer came first He does not decide the question of whether the epithebal probleration is really carcinomatous ROTHWANY

Child Jr C. G The Surgical Treatment of the Tube and Orary J Ohn & Gymc Bru Emp By S rg Gynec & Obst 1013 XXV 278

Child contributes a general article on the technical phase of his subject. His conclusions are When operating by the abdominal route the

pus should always be removed by aspiration before any extensive separation of adhesions is attempted. This prevents soiling the peritoneal cavity and by decreasing the bulb of the tumor eases up on the adhesions, adding very materially to the subsequent ease of the operation

2 Drainage should not be used in other than exceptional cases such as the mixed infections and where there is a great deal of oozing from raw sur faces and then the dramage should be per vaging The transverse incision should be used for

greater exposure of the field of operation with less exposure of the intestines 4 In closing the abdominal wound the use of absorbable suture material should be avoided Better results are to be obtained with non absorbable

non infectible material 5 The condition of the appendix should be in spected without fail to make sure that it is not in the pelvis CARRY CHURERTSON

EXTERNAL GENTRALIA

Ruge E Construction of Vagina from Sigmoid Flexure by Laparotomy (Erastz der Vagma durch die Flexur Mt tiels Laparotomie) Deut che med Wchnicht 914 xl o
By Zentralbi f d. ges. Gynik. u. Geburtsh a. d Grenzgeb

The author gives a short critical discussion of the two cluef methods of replacing the defective various then be describes a procedure successfully performed on one of his patients. He made a transverse incif the fascia just above the symphysis. The free loop of the flexure was brought forward and a piece 15 cm long excluded with the mesentery at tached It was highted above and below with hien ligatures The excised piece was laid aside in damp compresses while the two openings in the flexure were sutured together circularly with a continuous linen and an invaginating catgut suture. The incision in the mesentery was then closed with fine sutures A canal was made with dressing forcers from the vulva through the floor of the pelvis and the ligature at the lower end of the excised piece of intestine seized and drawn through it until it pro sected 1 cm in front of the vulva. The perstoneum of the pelvic floor was sutured to the piece of in testine with two catgut sutures The mesentery of the flexure was fastened to the pedicle of the vessel by a cateut suture so that it was separated by the rest of the flexure from the remaining contents of the abdomen The abdominal wound was sutured the ligature was removed from the end of intestine in front of the vulva and the intestinal mucous mem brane sutured with catgut to the skin of the vulva.

Curtis A II: The Etiology and Bacteriology of Leucorrhum Su g G) ec & Ob t | 014 xviii 299. By Surg Gynec & Obst.

The author's paper is the forerunner of one on I twenty months study of 75 cases treatment furnishes the basis for the report which includes a detailed description of bacteria common to leucor rhœa

The author finds that the uterine cavity tends to remain free from bacteria in cases of chronic puru lent vagmal discharge

Mucus from the cervix may promote the develop ment of purulent discharges the usual seat of formation of which is the lower genital tract

Gonorrhocal infection is the exciting cause of leucorrhoza in the majority of women who have never been pregnant. After cau ing changes favorable for the development of mildly pathogenic organisms the gonococcus tends to disappear This suggests that a chief part played by it in chronic cases consists in preparing the soil for leucorrhosa-producing anaerolic bacteria

Relati ely small numbers of staphylococci and colon bacilli are found except in patients who frequently use douches Streptococci are wanting in fresh smears but develop from diplococci in cultures,

The great contingent of leucorrhoral bacteria consists of anaerobes of which gram negative bacilli form a large proportion. These bacteria attack the tissues with low resistance and apparently play an active part in the production and maintenance of leucorrhora Consideration of the influence on leucorrhoes exerted by various lesio s e g lacerations displacements etc is reserved for a later date

Varelia, C. Treatment of Simple Vaginal Hydrocele by Adrenalin (Trast ment de l'hydrocel vaginale simple par l'adrénaline). Impress med 013 xxl. 335 By Journal de Chirurgie

Varella reviews the difficulties in the treatment of vaginal hydrocele In puncture followed by the injection of inciture of induse there is pair which keeps the pattern in bed for several day, frequent recurrence etc. the inuies vagnulus is often to thack that it is difficult to time in thack, and if it is exceed there is an injurious effect on the function of the testicle. Therefore he has adopted Rujoul of treatment puncture followed by the injection of adrenalin which is a simple method, harmless pain less and effective and it can be performed in the office without keeping the pattern from his work.

Rupfle first treated vaginal hydrocele by this method the idea resulting from the reading of Barr's treatment in 1004 of several cases of scrous effusion pleural pericardiac and ascitic by the injection of 1 5000 adrenalin the injection being repeated two or three times the result being th t effusions which could not be overcome in any other way disappeared Rupfle decided to apply the method in the treatment of two cases of vagural hydrocele on of which had lasted for to years and the other for y years Both cases had been treated unsuccessfully by repeated puncture with or with out injection of alcohol sodine etc. Rupfle removed several hundred com of the hand and specied 2 com of 1 5000 adrenalm. The results were the same in the two cases a little after the injection there was severe pain then for a few days slight symptoms of inflammatory or irrital ve reaction with a little effu ion which disappeared after a few days with drying up of the hydrocele in a few weeks was no recurrence o months afte the operation

Rupite found the method sample harmless and efficacious and decided to use a commonly a harmless and efficacious and decided to use a commonly a harmless and efficacious and decided to use a commonly a harmless and a commonly a com

seen again without recurrence

Barra method deserves t be tried in cases wh ire or any resson ratical treatme t by partial vision of the tumor vaginalis cannot be performed. The latter operation remains the method of choice. The chief point urged against t injury to the function of the testicle does not occur if the resect on a only partial, as facel a d Bout in abour it is only mergiannes total ze not that produces atrophy of the specimitic part of the glauds is in preservation of the intentitual part.

Benda, C. Case of External Female Pseudoher maphrod tisms (Fall vo Pseudohermaphrochi mus faminus sternus) Bell 11 il. d. sci. 12 4, h. 66 By Zentzillh f d. ges Gynšk u. Geburish. d. Gesangeb

Autopay was performed on the body of a twomonths' old boy Externally there were completely developed male genitalia, except that there were no testicles in the scrotten, in conjunction with a female vagina uterus tubes and ovaries. This is the most complete case of pseudohermaphroditism that has this far been observed and Bends proposes the name pseudarrhenta for it. In the hope of discovering true hermaphroditism he examined the ovaries

for male gland formation but found none Great importance is sometimes attached to Ley dig a interstitled cells in the way of internal secre-tion but the author does not believe this is justified because the cells of all the other glands with internal secretion are epithelial in nature while these are connective tissue they are also found in very vary ing amounts in the functioning testicles of very pest ly related animals There is a certain influence of the adrenal cortex on the sexual characteristics of both sexes. In this case there was tremendous hyperplasia of the suprarenals especially a true glandular proliferation of the parenchyma of the cortex Fiebiger reports that in all the more extreme degrees of pseudarrhenia there is a problemation of the cortical substance and Araus reports suprarenal tumors accompanied by development of virile hair ESPENDERS.

MISCELLANEOUS

Busse Gynecological Examinations and Operations in Psychosea (Gynakologische User such agen and Operationen ben Py hosea)

M kru med H ch ret 9 31 859

By Zentzhbi | d ges Gynah Geburtsh 3 d Crengeb

The author was assorabled to find how frequently graceological diseases were found in mentally diseased women absorbatilities position and the state of the state

Vost of the operations were for the correction of displacements. In a considerable number of these cases the owners were removed also and later the effect on the psychosas was tested by means of the control of parasitoms with the transverse incusion seemed to be bett r than with the transverse incusion seemed to be bett r than with the transverse incusion seemed to be better than with the transverse that the transverse incusion seemed to be the transverse than the

Friedel Gynecological Examination and Operations in Psychosts (Gynakological Later suchangen und Operationen bei Psychosen) Al saken Hate H A: A 913 tz 2693
By Zentrabbi f d ges. Gynak Geburchs d Grenspeb

The autho and Busse examined 200 cases in 10 per cent of which gynecological operations were per formed. Two h sterical pat ents who had been castrated one 30 and one 2 years before showed no effect on their reachores The imbeciles were often Lept in the institution only on account of the fear of their having illegitimate children

In collectics improvement was seen after abortion In the cases of circular insanity different gynecolog ical affections were demonstrated but in spite of them the patients had recovered from previous attacks of insanity

In dementia pracox castration was performed in the two following groups (1) Where the attacks were repeated after several delivenes with progressive mental failure (2) in patients with periodic cond tions of excitement with the hope of in fluencing this condition. It is too early to pass Rmax judgment on the operations

Waldstein E. and Ekler R The Demonstration of Absorbed Spermatozos in the Female Body (De \a hwess reso bierten Spermas im 151 hen Organismus) li se ki li h h 103 x 1

By Zentralbl f d ges Gynak u Geburtsh d Cren geb The authors tried to answer the question of what becomes of the spermatozoa in the female body after cohabitation by means of the Abderhalden reaction. They used rabbits as experimental ani mals and found that ordinarily there is no ferment in rabbits blood that breaks up testicular substance But after cohabitation in 15 animals the blood showed the property of decomposing testicular substance Moreover the same animals reacted positively that had before reacted negatively shows that as a result of cohabitation a ferment is developed in the female body that reacts specifically to testicular substance. The same reaction was found in 0 out of 10 cases during pregnancy but the reaction was not so strong as after cost s The conclusion naturally would be that the reaction was brought about in some other way during preg-nancy probably through the intermediation of the feetus FRANKENSTEIN

You Franque O Pathology and Treatment of Genital Tuberculosis in Women (P thologic und Th rapse der Gent it berkulose d Il mrb g Abhandl d Ge d pr kl Med 9 3

By Zentralbi f d ges Gynak Geburtsh d Grensgeb

Von Franqué discusses the etiology of genital tuberculosis in women and assert that it generally begins in the tubes, while the ovaries are ext not durantly resistant to tuberculosis Prim ry steril ity and dysmenorrhora are often results i genit l tuberculosis and a yet graver condition ; the tendency to carcinoma produced by tuberculosis He then considers tuberculosis of the individual genital organs The treatment should be operative either excision of the tubes or radical peration

The question is discussed of the effect on each other of pregnancy and tuberculosis Tuberculosis of the placenta is much more frequent than was formerly supposed but communication of tuber culosis to the child either within the uterus or at deinery is very rare and the fact of a congenital predisposition is not satisfactorily established so that it is not justifiable to interrupt pregnancy for the sake of the fortus but it is undoubtedly justi fiable to sacrifice the pregnancy to save the mother Abortion should be considered only when it can reasonably be expected that it will improve the mother's condition. If the tuberculosis is so far advanced that it seems nothing will stop it then the child a welfare must be considered. The earlier the pregnancy is terminated the more favorable the influence on the tuberculosis. Care must also be taken that the woman does not become pregnant agua so operative sterilization should be per formed or vaginal amoutation of the body of the uterus with a view of excluding the dangerous

I KUETA

Hoehne O and B hne K Length of Life of Homologous and Heterologous Spermatozoa in the Female Genital Tract and in the Abdominal Cavity (Uber die Lebe ed uer hom loger und het rol per opermatozoe n weiblichen Genitalpparat und in de Bauchhobi) Z i lbl f Gynak 19 4 12viii 5 By Zentralbi i d ges Gynak u Geburtsk d Grenzgeb

The less acid in the vaginal secretion the longer the spermatozoa retain their moulity in the vagina In the markedly acid secretion of pregnant animals they lose their motility very quickly so that after an hour no hving ones can be found Human spermatozoa were found to be destroyed very quickly in the supravaginal segment of the genital tract of rabbits and guinea pigs some individual speci mens lived as long as 4 days Even the spermatozon of the same species mostly ded after 2 days and after 6 days no more could be found at all

The authors conclude that after the third day it is exceptional for active spermatozon to be found in the uterus There : no ground for assuming that spermatozoa capable of impregnation can be found for several days in the healthy tube of the sexually m ture female The spermatozoa probably remain capable of functioning only a short time in the tube at the very most not more than three days The spermatozoa that penetrate the peritoneum generally succumb to phagocytosis and are usually destroyed within from 4 to 20 hours The length of life of the spermatozon depends on the activity of the walls of the genutal tract. The healthier the female and the more active the genital mucous membra e the quicker the spermatozoa are de stroyed HOLETE

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

McGuire S. Evalution of Treatment of Ectopic Pregnancy S is M J 9 4 08 B3 borg Gynec & Obst.

The author gives a short historical sketch of the evolution of the treatment of ectopic pregnancy and also criticizes some of the methods now moyue. He evene the last filly cases which have been under his care. Six had recurrences in the tubes remaining—of this he is positi e as he per formed a subsequent operation for ectopic pregnancy for the properties of the propert

The author is opposed to the removal of the opposite tube unless it is obviously hopelessly diseased thus making it possible for pregnancy to occur in the uterus

The ware I. Convert.

Farra L. K P: Int ratified Pregnancy; with Report of a Case. Post-G adaet 1914 Nur. 168 B) Surg Gynce & Obst

Farrar gives a collective review including history etiology course diagnosis and treatment and bibliography of intensitial pregnancy and reports a case occurring in his practice n 600

HEVEY SCHOOLS

Phillips, M. H. A Case of Peritoneal Implantation of an Ovum. J Obs 5 Gync B is Emp. 9.4 xxv 31 By Sur Gync A Obst Abdogmal section had been performed on a

catient for profuse intraperitoneal bleeding blood was occurs from among the fimbrie of the left falloman tube this tube was removed Later on careful examination of the tube showed that the bleeding was due to the presence of small areas of trophoblast and early chorionic villa situated at the bases of two of the fimbrise but there was no complete implantation sac On the other hand a harmorrhagic nodule with a per toneal covering which was excised from the lateral pelvic w li has been found to contain an early ovum completely embedded in the extraperitoneal connecti e tissue This peritoncal mass an ovoid a little less than one inch in diamete was made up chiefly of blood-clot with a serous cont ext riorly More deeply the nodul was cov red by lobules of fat and areas of ordematous alveolar ussue Senal sections showed marked dilatation of the blood- essels and in the middle portion a compressed and distorted ovum Its longest axis measured I 5 mm There was no embryome radiment but simply a blastocyst with its external covering of cyto- and plasmod impliest in single and multiple layers, and a monolatric core of a poorly staining matrix with occasional stellate cells. The trophobiast and strons advantaged localized projections indicative of early villors for mation. The orum was surrounded by a lacrant space containing blood corpuscles and some poorly staining trophobiast.

The tube aboved at the bases of the fambur, a small blood dot; beneath which were several strands of choronic will and small dissters of children and plasmodal trophobiast all stanning will be stated to the state of the state

McAllister F J: Eclampela Ione M J 19 4 xx 436 By Surg Gynec & Obst. Mc Allister relates his experience with eclampsis and reports six cases.

In the first case eclampsia occurred t term and immediate delivery stopped the convulsions. In the second case eclampsis occurred during the sixth month of preguancy. This case was also delivered and given vertains after four days of unconsciousness she recovered. The third case was one of eclampsia two hours after a normal delivery

The fourth case was a primipara, as months pregnant Her urine was loaded with albuman The delivery took place is bours fiter the ones but the patient deed The fifth case was one of eclassical and the second of the fifth case was one of eclassical and time was there albumin in the urine. The patient out time was there albumin in the urine. The patient due in spite of ugnous treatment IT he article was a primipara of 23 years who was at full term when the convulsions began Her urine contained over 5 per rest of albumin. She was Desired for over 5 per rest of albumin 5 he was Desired for cored pulse and fever and after see was Desired for the pulse and fever and after see 2 per Case.

Cerecedo, M The Most Effecti e Treatment of Pernicious omitting (Die wirksamste B handlung unstillbare Erbrechens) S gl Med 9 3 is

unstituture Erbrechens; S. fr. Mes. 9 3 1-546 By Zentraibl f d ges Gynak u Geburtsh d Grensgeb

Se en cases the had been treated without effect by other methods recovered rapidly upon the administration of drenals to drops of a scoos solution two daily by the mouth subcutaneous injection was not necessary in any case. In one

case 10 to 20 drops of 2 1 per cent cocaine solution before each meal was a valuable auxiliary treatment and where there was serious loss of strength nucleoarsitol was given one injection daily for ten days repeated after a week a pause

Vomiting in pregnancy as well as eclampsis is instigated by the ovum but its primary cause is probably an insufficacy of metabolism in the liver and secondarily in the kidney from intestinal intorication therefore diet is an important prophy lactic treatment for both conditions A milk and vegetable diet should be given Bowel movements should be kept normal by cholagogues such as rhubarb cascara and calomel MICHARL.

Schüpbach A : Pernicious Anomia in Pregnancy and Labor (Über permaiöse Anamie in Schwangerschaft and Wochenbett) Cor Bl f schweis Arti, 1913 zim, 535 By Zentralbi i d ges Gynik u Geh rish s d Grenzgeb.

This disease is often observed where pregnancies follow one another too quickly and lactation is prolonged It is distinguished from cryptogenetic permicious aniemia by the fact that it is curable A constitutional factor is the cause of it perhaps also an insufficient formation of antihemolysius for the synthesis of iron that takes place on the surface of the placenta under the influence of the syncytial

The decrease in iron absorption in the second half of pregnancy points to the formation of antihemoly an The morbidity among pregnant women is 0 15 to 0 22 per cent There is exhaustion yellow ish pallor ordema dilatation of the heart heart marmurs often premature delivery after which the mother's condition grows worse. The mortality according to the Italians is 25 to 50 per cent ac cording to Payr 100 per cent If animus appears shortly before delivery the prognosis is bad if during the puerperium better The infantile mortality is due to premature delivery Moux

Kohlmann W The Grearean Section in Ante-Partum Hamorrhage V Orl W & S J 914 lz 1 655 By Surg Gynet & Ob t kohlmann states that in cases of central or

lateral pl centa prævia pregnancy bei g at or near term the long child the mother in good condition the cer ix losed or only elightly dilated cesarcan section should be the operation of choice

The author cites a case of central placenta præ 18 which hoperated The mother and hild left th hospital on the m th d y is good condit on

In prem ture sepa ation of the placents of He report a case of this kind which he operated upon with e ell at results. The hamorrhage in this c e beg n after a coughing pell near full term nd could not be stopped by tampons. In this c e piuntina was given as a hamostat c sust bef re th uterus was opened and ers Ittl blood wa lost CA Y

Maclaren A and Daugherty L. E.: Intraperitoneal Hemorrhage with Special Reference to Hamorrhage from Ruptured Tubal Pregnancy S! Paul M J 1914 xvi 137 By Surg Gynec, & Obst.

The authors call attention to the fact that intra perstoneal hamorrhage resulting from trauma direct or indirect is of frequent occurrence. Also that the amount of force exerted by a blow on the abdomen and the visible signs of injury are no index to the damage done to the internal organs Direct violence is not necessary for cases have been renorted where a simple muscular action has produced a rupture of the liver or spleen

Of the solid viscera the liver is most frequently the site of a tear Crushing injuries are perhaps the most common Tilton reported 363 cases of in furies to the solid viscera. Of this number 180 were of the liver and 176 of the spleen kidney and pan creas Hamorrhage from the liver is best controlled

by packing the rent with gauze Rupture of the spleen follows next in frequency after the liver Many of these cases show previous disease of the spicen Not infrequently it happens that the capsule itself is not injured and while the laceration may be of great extent yet the bleeding into the pentoneal cavity will not occur until the capsule ruptures from internal pressure. In such cases the diagnosis is extremely difficult of the spleen requires its removal and this may be done without hesitation

Rupture of the pancreas or injury to the mesen tene vessels while not so common do occur and

should always be considered in making a diagnosis Probably the most frequent cause of intra pentoneal hamorrhage is due to some form of extra uterine gestation. The causes of ectonic gestation are theoretical to a very large extent. The in flammatory theory of Tast and the mechanical

theories are given none of which are satisfactory Immediate operation except in the moribund cases is advised and any dilatory procedures are characterized as dangerous

The question of the removal of the tube in these cases is sometimes very important from the stand point of the patient and will have to be determined by the cause of the abdominal pregnancy and the danger to the woman s life At all odds it should be borne in mind that in certain selected cases it is instinable to leave the tube thus giving a ray of hope to the woman that she may again conceive

Wh n a pelvic hamatoma has formed and there are no further s gas of hamorrhage at should be let alone for it will be absorbed in time If the hama toma becomes infected and goes on to abscess formats n a post vagnal section should be done and drainage inverted then if necessary a laparot omy should be done later when the previous vaginal drain will be in the best possible position and will assist ery mat rially in the ultimate reco ery of these very bal cases.

A report is given of 54 ect pic gestations treated

by the authors in the last 22 years. Out of these

55 cases 6 dled, giving a general mortality of 12 per cent while in the last 11 years 35 of these 55 cases were treated with only one death HARVEY B MATTERWS.

Boero, E. A : Treatment of Hamorrhage with the Placenta Located in the Lower Segment of the Uterus (Behandlung der Bl tung beim Sitz der Placenta auf dem nteren Utennsegment)
Res Soc. med argent Buenos Alres 913, xx1 633.
By Zentralbl. L. d. gea. Gynak. n. Geburtsh. s. d. Grensgeb

Catsarean section is rejected as a treatment for placenta przyła The assertion that the low inser tion of the placenta robs the lower uterme segment of its contractility by the proliferation of villi in the musculature and that it is therefore a physiological necessity to avoid its distention in delivery by means of casarean section, is disproved by the demonstration of hardened specimens and by showing the extraordinary rarity of rupture of this segment in placenta pravia. The only case of

rupture that the author knows of occurred on the side of the cervix opposite to the point of insertion Among 80 cases of placenta prævia treated con servati ely in the author's choic during the past 6 years, 3 died of acute ansemia-3 75 per cent-and two of infection-2 50 per cent Two of the former had almost bled to death when they came in. so that only one death can really be accredited to the chile-1 25 per cent The morbidity of the remainder in the puerperium was 24 per cent infantile mortality 70 per cent among these 22 came

to the clinic dead and five in a very serious condition

so died in the clime-36 per cent-and 24-30 per

cent-survived After reviewing the various surgical and obstet neal methods of treatment the author comes to th following conclusions (1) The ease with which the cervix can be dilated in placents previa indicates that the natural route should be utilized in its treatment (2) The low maternal mortality when treatment is undertaken at the right time does not pustify casarean section after the beginning of labor nor premature delivery (3) By good ob stetrical training the mortality of three-fifths of the cases due to active interference and infection can be lessened. (4) Complications of placenta pravia may demand casarean section (5) In central placents prayra the technical skill of the obstetrician should decide the question (6) The prophylactic treatment of abnormally situated placents should consist in sending the patient at once to a hospital which would lessen both morbidity MICHAEL. and mortality

Kreiss, P Heart Disease and Pregnancy (Herrfehler und Schwangerschaft) Zentralbi. f Gyndk 29 3 XXXVII, 803 By Zentralbl. ! d ges. Gynäk u. Geburtsh. s. d. Grenzgeb

Heart disease is only rarely made worse by pregnancy From 1903 to 1912 at the Dresden gynecological clinic pregnancy was artificially ended on account of uncompensated heart lesions only 26 times, r r per cent, among 23 577 deliveres and abortions Of the 26 cases 4 died

The coincidence of heart disease and nephrus is especially dangerous but there is no absolute indication for the interruption of pregnancy First absolute rest is necessary then treatment according to the rules of internal medicine with digitals, caffein camphor adrenatin, and alcohol. If ordens and serous effusions do not disappear and congestion. especially of the kidneys cannot be overcome then

abortion is indicated. If the heart disease is very severe or combined with other serious diseases the preliminary attempts to avoid abortion may be omitted. \agmai casarean section is to be rejected if there is extreme conrestion, on account of the danger of hemorrhage In such cases if the child is hving the classical casarean section should be performed so as to spare the heart the effect of the pains Tireacur

Jaschke R. T : Prognosis of Diseases of the Kidney In Pregnancy Especially in Women with Heart Disease Arch f Graft 59 3, ct, 396 By Zentralbi f d. ges Gynak Gebuttsh d Grenzgeb

Only those Lidney diseases are of importance that are accompanied by an increase in blood pressure and therefore make greater demands on the heart. The acute form of the so-called kidney of pregnancy shows little or no increase in blood-pressure and is amenable to treatment t places practically no burden on the heart. The chronic form on the other hand makes great demands on the heart and is very difficult to treat The prognosis is made worse by the fact that in 6 to 8 per cent of the cases eclamps a threatens with its enormous demands on the heart. It is often difficult to decide whether it is a case of disease of

the kidney of pregnancy, or of chronic nephnits. There are forms of the kidney of pregnancy that are almost impossible to treat the pressure going up as high as 230 to 240 These kidney affec-tions are almost as hard on the heart as chrome contracted kidney its work is so normously increased that even a previously normal heart may fail The situation is especially dangerous in preg nancy if there is a combination of heart and hidney disease The prognosis depends on the condition of the heart muscle In any cas it is a very serious complication and the author recommends in all cases of pregnancy in women with heart disease complicated by a kidney disease in which there is increased blood pressure that pregnancy be in terrupted and so by lessening its wo k give the heart its only chance

enck, B R Pulmonary Tuberculous and Pregnancy J Mack St M Sec. 9 4, 211, 57 By Surg. Cynec. & Obst. Schenck, B R

There is by no means a mammity of opinion regarding the treatment of the pregnant woman afflicted with pulmonary tuberculosis At the last International Tuberculous Congress the most variant views were expressed some holding the older idea that it is best in most cases to allow the preg papey to continue others stating most emphatically that radical measures should be taken to end the gestation

It has been estimated that there are annually in the United States from 22 000 to 44,000 tuberculous pregnant women. It is probable that there are annually in the state of Michigan from 700 to 000 pregnant women who have active tuberculosis

In considering the propriety of therapeutic abortion a sharp distinction must be made between those patients who have a quiescent or a healed lung lesion and those in whom the process is active A failure to make this distinction accounts to some extent for the differences of opinion which have been expressed Moreover the history of a healed lesion or the assumption on insufficient grounds of present trouble has far too frequently been used as an excuse

for terminating a pregnancy Spontaneous abortion rarely happens as an effect of pulmonary tuberculous It occurs only in the case of patients prone to miscarry on account of extensive lacerations where the added strain of coughing is adequate to bring it about or where there is sufficient toxemia to cause the death of the fortus In the vast majority of cases the child develops normally and reaches term comparatively unaffected Such children should be separated from the mother immediately after birth oretically healthy children may be born of tuber culous mothers and if properly treated live to adult life Practically however this ideal is not reached for Ziekel reports a mortality during the first year of such children of 58 per cent Diebel 8 per cent Weinberg 78 per cent Pankow and Kupicile 54 5 per cent

The effect of pregnancy on the pulmonary lesson If we will go over the histories of a number of sanatorium patients, we will find that in many cases the active trouble is dated back to a certain preg nancy or puerpersum. At the present time the we ght of authority favors the view that pregnancy affects pulmonary tuberculosis unfavorably Pro-

phylaxis is therefore most important Pregnancy having taken place each patient must be carefully studied and each case judged according to all the circumst nees. It would appear that there is now sufficient justification for therapeutic abortion in practically all cases of active tuber culosis With our present knowledge of the subject there is no justification in any but the rarest cases f r either the operative sternization as ad vocated by Schottehus, Bacon Schauta Hochne and many others or f r the V ray sterilization supported by Gauss nor does it seem right either to remove the uterus and ovaries championed more particularly by Martin or to vaginally excise the fundus of the uterus and the placental site recom mended by Bardeleben.

Gardner W S Fibroids and Pregnancy Three Cases, Md M J 1914 lvn 56
By Surg Gynec & Obst

The first case reported by the author was operated early in the third month of pregnancy and an ovoid fibromyoma measuring fifteen by sixteen centi meters removed. The tumor was attached by a short but narrow pedical to the uterus near the function of the body with the cervix This patient went to term and was delivered of a nine pound boy The tumor in this case was anterior to the uterus and would have interfered with the rising of the uterus

The second patient had a fibroid tumor which almost filled the true pelvis She was allowed to go to term when a hysterectomy was performed after delivering a nine pound child by casarean section

In the third case the fibroid was located in the lower segment of the posterior uterine wall There was no dystocia, as the tumor was above the brim of the pelvis. This parient was delivered normally She had a submucous fibroid removed a year before she became pregnant

LABOR AND ITS COMPLICATIONS

Garrett N M Management of Labor in Cases with Relatively Contracted Pelves Gynec & Obst 1014 ш 388 By Surg Gynec & Obst

The following questions were sent by the author to a number of obstetricians and surgeons

Number of cases observed? 2 Where you have charge of the case primarily what method of treatment do you prefer?

3 Do you consider the high forceps operation justifiable? 4 In cases that have been allowed to go to

term and cannot be otherwise delivered do you prefer casarean section or publictomy?

Which operation has the greater mortality? What has been your experience as regards union of the bone after publictomy?

Including those observed by the author 2035 cases were reported

Practically all agree to the high forceps operation under certain circumstances

Replying to question 4 four obstetricians rep resenting 305 cases prefer casarean section Four others representing 2,630 cases prefer publictomy under certain circumstances The majority say that cresarean section produces greater mortality Union of the bone after publotomy is satisfactory in nearly all cases. It is more frequently fibrous than bony

The author recommends

Premature labor at or after the thirty-sixth week

s Casarean section, if not seen until term but before injection and exhaustion have taken place with conjugata vers under three and one fourth inches and the child viable

3 With a conjugate of three and one-fourth inches or greater mother and child both in good condition and the head can be made to enter test of labor followed if necessary first by forceps sectond by publotomy

Uljanowsky L. W Hæmatomuta of the External Genitalia and Vagina during Delivery (Zur Lehre der Hämatome der Busseren Geschletzorgane u Vagina wahrend der Enthindung) Ziteir fogt ilt Godd 313 zwin 1765 By Zentralbi f d ges Gynäk u Geburtah s d Grenzgeb

The author describes a case of large hematoma of the antierfor wall of the sagma with severe hemorrhage in a 19 year-old prumpara and says that such hematomata of the gestlaths and vagins are rare—1 2000. They appear oftener in the vulva than in the vagina. The etiology is not known with certainty. Ill glasowsky gives as continuourly causes quick delayer changes in the blood in thesease of the hadney. Generator.

Crump, W. G. Fitzpatrick, G. Huntoon G. A. and Richards R. M. Symposium on the Conduct of Normal Labor. J. Am. I st. Homeof. 1914, vi. 695. By Surg. Cynec & Obst.

Capup emphasizes the necessity of carefully instructing girls 44 well as boys in gymnastics in order to better the future generations physically He believes that the state should prohibit mar mages of youths under so to as years of age Gestation earlier than this is not only more dangerous to the mother but the child is all too often a weaking The essentials of homemaking should be taught in the schools as well as the home. The physician should consider more carefully the physiological and pathological processes taking place in the female organism and by a better understanding of the normal try to work out some belpful rules of procedure to correct the abnormal Contra y to the preconceived ides and teachings of physicians of the past and even to-day the uterus does not be pormally in a constant position of immobile anteflexion It readjusts itself to various forces brought to bear upon it. It gradually comes to assume an incorrect position from faulty pelvic inclination or the transmission of abnormally created forces. These forces should be thoroughly understood in order that developing guil may be so counseled that they may continue in health as they grow in stature and round out into the fullness of mature development The question of faulty bodily pos ture is discussed and recommendations made for overcoming it. The author dwells on constipation and suggests that the stool now in the should be discarded and one much lower employed

FITPATRICK emphasizes for essentials in the successful practice of obstetnes viz proper mental attitude on the part of the physician every pregnant woman should be regarded as a pathological case every obstetnes case a suggest case and

fitness and equipment. Under these headings is discusses the subject. He believes the mestal attitude of the physician should be that of everal status consideration for the patient he should be constantly mindful of her condition he should recognize the fact that a great number of women feel embarrassed as soon as the abdomen becomes distincted. A few words and a little encouragement will let her understand with what pride—with what interests and solorist toon—whe as looked upon

The physiology of pregnancy borders ac cleady on pathology that at times u is difficult to say when the one has overstepped the other therefore every pregnant woman should be considered a pathological entity

Obstetrics as surgery according to this author A surgery according to this author A surgery according to the surface of the property of the surface of the property of the surface of a physician, Fitzpatuck states that no man after graduation and attendence on a few hundred cases of obstactives should assume that he knows no the about the subject that it is not worth a surface of the property
HUNTOON takes up the care of the pregnant woman emphasizing that prevention is the essential feature during this period. The patient should be seen every four weeks during the first seven months and at least every two weeks during the list months of pregnancy Personal hyguene clothing det and the care of the supples are then discussed RICHARD discussed are care of the patient during the state of the supples are then discussed.

Richards discusses the care of the patent during the purpersum emphasizing the importance of thorough cleaning of the vulva after delivery with some antaspite abutton, and the placing of a ceition pad over it. Lacerations should be sought and a few-moute the theory of the placing of a ceition pad over it. Lacerations should be sought and a few-moute the theory of the determine the unvolve tion. The industriantate use of ergotans is too demand. He does not deem the abdomnable such demands and the second of the supplies and the pains the diet, the care of the nuples and the pains the diet, the care of the nuples and the registron of the lowest and the six at advantage to allow the patient to leave the bed before the tenth day.

PUERPERIUM AND ITS COMPLICATIONS

Vineberg H N Septic Puerperal Infection Diag nous and Treatment C and M Ass J 914, y 201 By Surg Gync. & Obst.

The author states that cultures should be made in every case of suspected purperal infection but he does not place much confidence in these findings, because of the fact that a non harmofute streptococcus may revert are the harmofute variety and true trans. He believes that temperatures should be taken B 1 d. per rectum in all cases and that when fever is found an immediate search should be made for the cause

If the bowel is full of fecal material obstructing drainage from the uterus it should be empticed after which the temperature will usually return to nor mal. \ \text{Cartill examination of the perineum and generative tract should next be made sutures cut it secreasially and my team in the cervic carefully gone over. If nothing is found the uterine exulty should next be explored by the finger for in the author is opinion go per cent of purperial infection arises in the uterus from placental remnants.

When remains are found the author believes When tremains are found the suture believes when the surface of the

In case of thrombophicbuts the author thinks that the important of agnostic igns are the great range of the temperature 5 to 6° and the steady pulse 80 to 10°. He has higher the affected vena in nine cases and thinks the best results are obtained when a total hybercetomy is abo done. The author advises hybercetomy one partium in ca es where there is an infected submucous hibroid or in purellet there is an infected submucous hibroid or in purell metritus. In his experience only 10° per ent of ca es heed surreal interference.

Traugott M: Etiology and Prophylaxie of Fndogenous Puerperal Infection (Uber die Atiologie ad Prophyla e der Eudogenen purpe al n Infection) T h 181 f G 48 9 3 xx u 859 B Zattalbi f d ges Gyak u Geburtah d. ternageb

A report is given of the systematic bacteriological examination of the vaginal secretion of 1 994 preg nant women 1,851 of whom were delt ered spon taneously 75 by manual extraction in the breech position 68 by operation through the atural route Those who had an audiary temperature of more than 38 during the puerperium were as follows Of the spontaneous delt eries o 57 per cent without trep tococci 8 53 per cent with n n hamolytic strepto couch or per cent with harmolytic streptococci of the breech prese tats us 10 71 per cent without streptococ i 'S' pe cent with non hamolytic i no e with hamolytic streptococci In operatio s by the natural rout 25 pe cent were without treptococci 17 14 per cent with non hamolyti tr ptococci and one patient with hamolytic streptococci ha i a rise of tempe tur one day

All of the w men with the exception of those who wer delivered by peral o we examined only per rectum with sterile gloves. From this stappears that it he prognous of the par prenum of

pregnant women without fever examined only per rectum it is a matter of indifference whether there are atteptococci in the vaginal secretion before delivery or on \entry entry does the number of streptococci in the vaginal secretion of pregnant women play a very subordinate part as compared with other factors

The author doubts the value or necessity of Zaenfel and Schweitzer's irrigations of the vagina during pregnancy with 5 per cent lactic acid, as there was no difference in the puerperal morbidity of pregnant patients with streptococci who according to Schweitzer should have been treated by this method and those without. Insufficient lactic acid irrigations seem to increase the mor bidity during the puerperium for Schweitzer had 23 per cent morbidity among such patients. Even the disappearance of streptococci from the vagnasserction cannot always be stributed to the Irriga screttion cannot always be stributed to the Irriga disappeared in a reasen from 5 to 3 tid days without any treatment.

Montgomery E. E Puerperal Sepais and the Present Methods of Treatment Pe n H J 1914 xvu 425 By burg Gynec. & Obst.

The author emphasizes the importance of malune

a correct diagnosis of sepass and determining the particular forms of infection i e sapreme or septic. The use of the curette is discouraged because it opens new avenues of infection. Decomposition products may be removed digitally if there is no pertitioned in nor pertitione in maniferation. The patient is put in the Forker povition a purge given occasionally nourabment should be of the highest nutritive value with as little waste material as institutions of the second of the control of the cont

by inciting muscular contraction. Hot fomenta

tions are substituted for ice in the later stage to

hasten absorption of the exudate Pus accumula-

tions are e a uated surgically if necessary Medica

tion 1 g. cn hypodermically as far as possible to av id disturb g the alimentary canal strychnine error and stropine as indicted.

I resh am streptococcic serum in initial doses of to to so cubic centimeters and to cubic centimeters every twice lours for two days is advised until its effice cy 1 letermine.

The risumé as that (1) "the diagnosis of pureral seps a stubished the aim of treatment must be conservant in of the vital forces through result of the vital forces through result of the content of the intelligent promotion of immunity (2) The employme to the currette and intra uterine treat ment is; consistent with the above con deration (3) Ferum gin in fresh and in good quantity is of value. The administration of stock vaccines should be condemned. The value and place of the au

togenous vaccine is yet to be determined (4) Surgery except for drapage in suppliestive pentonitis should not be employed in the acute stages. The localization of the infection may later necessitate incresion for dramage or resort to sacrificial operations in volving tubes ovaries and even uterus

D H Hown

MISCELLANEOUS

King, W W The Serum Reaction in Pregnancy and Cancer by the Congulation Method Obst & Gynec Brit. Emp 1913 2214 296.
By Surg Gynec. & Obst

The technique employed by King is essentially that of Abderhalden His conclusions are as follows

r The test is positive all through pregnancy s It may be negative in pregnancy in the

presence of severe sentic infection. 3 With certain limitations it is possible to diag sose carcinoma and sarcoma, but not to differentiate them from pregnancy because the ferments are not absolutely specific

4. The coagulation method is useful because it does not require special apparatus it avoids the errors associated with faulty dialyzers and it is not so susceptible to slight hemolysis of the serum. This method however requires at last o hours incuba tion and the use of o a com of a z per cent solution of numbydem in order to obtain positive results in DECEMBRICA CARRY CULREPTION

Faught F A: Significance of Elevated Blood Pressure in Pregnancy J Am M Ass. 9 4 By Surg Gynec. & Obst Lu 518

The author calls attention to the fact that high blood pressure may occur in pregnant women with out any concomitant signs of toxicities just as is seen in chronic kidney cases. These should be separated from the pregnant cases showing even a moderately elevated blood pressure accompanied by some or all of the familiar signs of toxerms of pregnancy The former need special watching but they should by no means be looked upon as subjects for surgical inter ference. This indicates the importance of careful clinical observation in addition to blood pressure studies In this connection the urine will often but not always, serve as a valuable guide

In toxems cases, the gradually rising pressure the persistent names the beed pairs and the characteristic undary findings all point to an acute and progressive condition. The illustrative cases KOWAND L CONNELL are reported

Nebesky O Caput Succedaneum (Beitrag sur Kenatan des Caput uccedaneum) Honaisch f Geburich u Gynah, 9 3 xxxvn. \$53 By Zentrabh f d. ges. Gynah Geburich a. d. Grenzgeb

A 37 year-old IX para after seven bours labor delivered a child with an enormous caput succedaneum 516 cm in height 27 cm in circumference and 6 to 7 cm in diameter. It was surrounded by a marked groove due to compression. It had almost

disappeared at the end of loar days and after 18 days the necrotic tissue was completely cicatused The author believes this abnormal swelling was due to the internal or the circular muscle and connective tissue bundles of which act as an unyielding ring of the presenting part of the child and by its readity causes injury to the ussues even when the pains are weak because of the long duration of labor acquired rigidity of the tissues he thinks, is due to chronic metritis Morartro

Głuffrida, F A Pica for More Pelviment Ret M'd tota is \$42 By Surg Gyner & Obst

The author makes a strong plea for the greater use of the pelvimeter. In companion he calls attention to the fact that carpenters who do good work will not trust to luck. They employ calipers and measurements before cutture lumber while many physicians guess the pelvic measurements of a woman who is about to undergo a hard ordeal It ts impossible to know what will occur where so many possibilities exist expecially in primipars: Any one practicing obstetrics regularly will some day meet with a badly contracted pelvis and if measurements have not been taken, it will be greatly regretted Every woman should be measured The pelvimeter is not an expensive instrument and takes up but little room EDWARD L. CORVELL

Dyin T Psperimental and Clinical Study of Air Embolism in Obstetrics (Die Luftembobe in der Geburtshilf Experimentell klimet Untersuch-ung) Arch f Gyndk o 3 et 273 By Zentralbl f d. ges Gynal, u Geburtsh s d Grenageb

From experimental and chuical study the author doubts the correctness of the theory of air embolism In obstetrics - at any rate it seems to be greatly exaggerated -and is not so certainly decided that it should be accepted without further investigation Each case should be subjected to searching analy

The same rules must be followed in all cases and every autopsy in a suspected case of air embolism must be carried out in the same way All the blood vessels leading to and from the heart must be ligated separately and the lungs and heart removed The heart cavities, the pulmonary artenes and their branches should be opened in a deep vessel unde water after ligation of the arteries and with ing out of the sir vesicles on the surface. In this way attention will be drawn to the way in which the air is expelled whether as a thin emulsi n as losm or as large as bubbles. The amount and kind of sir in the pulmonary artery and the intensity and extent of the pathological changes in th lungs must serve as a basis for the post mortem disgnosis of air etobobszo

Oppenheimer II., Pittutrin in Obstatrica (Pittuta in der Geburtshilfe) Arch f Grath 9 3, ct 301 By Zentraibl f d ges Gynsk a Geburtsh 2 d. Grenzeb.

In the course of a year and a half 400 cases were treated Pitust'in and pituglandol were used subcutaneously and intramuscularly generally in doses of 1 to 2 ccm. no difference could be noted in the effect of the two The indication for pituitrin is weakness of the pains toward the end of the first and during the second stage Labor can only occasionally be induced by pituitrin Several in fections of pituitrin do not harm the mother in any way When given according to indications it produces strong pains in 90 per cent of the cases and brings about spontaneous delivery in 80 per cent-

10 per cent of failures must be counted on Fifty per cent of the cases treated unsuccessfully with pituitin during labor show a tendency to hemorrhage in the third stage and after delivery of the placenta but in successfully treated cases hemorrhage and post partum atony appear after delivery of the child in only 7 per cent In humor rhage during the third stage and post partium atomy a combination of pituitrin and secacronin is recom mended If bleeding continues in spite of this it is generally because remnants of the placenta have been retained. The third stage is shortened after the administration of pituitini in only a small per centage of the cases frequently it is lengthened in companison with the third stage in normal deliv

Schnell F The Treatment of Osteomalacia in the Last F (teen 1 ears, 1898 to 1912 (Die Beha dlung der Osteomalacie in den letzt 5 Jahre 898 bis o) 2t h f Geb ri h n G p he og 12x 179 By Ze tralbl i d ges Gynal, u Geburtsh d Grenageb

The author a work is based on 334 cases of osteomalacia from the literature of the past 15 years Of these 37 were treated with phosphorus 104 by castration among which there were 7 recurrences 36 with adrenalin 16 with pituitrin 1 with antithy roidin 2 with the milk of castrated coats 6 with rontgen rays

The research of recent years has rejected hyper function of the overy as the cause and substituted for it the conception of changes in metabolism from the action of the ductless glands. The relation of the hormones in physiological chemistry is not yet clear and therefore there is no really reliable method in the treatment of osteomalacia Castration offers the fewest bad results and is much to be preferred to the treatment with hormones advenahin pituitrin, etc CROS NOW

on F lienberg R and Doll A Biological Relations b tween M ther and Child (Uber de biologasche Bezi h s. wsch n M tter nd k nd)

Zitek f Geb ri k G ak 913 lxx 35
B; Zentralbi f d ges Gynák G burtáh s d Grenzgeb

In order t determine the relations between mother a d child the uthors exami ed the blood another a cloud the almost examined the broad of the mother the unablical cord serum the blood of the child shortly fiter birth and also when possible several in this later and iso the mother a milk of the seventh day fite delety in a series of experiments they determined the ggiuti

nating power toward different bacteria and then tested for the presence of normal bacteriolytic substances and compared them in given quantities of serum they also tested for the content of hemagglutinins in the blood-cells of rabbits The result was that they found a marked indepen dence of the child from the mother the child's body at birth forms normal antibodies indepen-No new dently

Raubitschek, II The Relation of Maternal Diseases to the Oreans of the Foetus and New Born Child (Über Beziehungen mutterheher Erkrankungen zu den Organen der F ten und Neugeborenen) Beil z palk A at u z alle

Path 1913 1 345 By Zentralbi f d ges Cynak u Geburtsh s d Grenzgeb

The author has endeavored to determine under what conditions blood poisons of the mother are transmitted to the feetus and cause the same or simi lar organic changes as in the maternal organism

In two cases of eclampsia there was serious disease of the foetal h er and kidneys with numerous hemorrhages in other organs and in a case of chronic parenchymatous nephritis in the mother there was acute glomeruloneobritis in the child but in a child whose mother had the typical Lidney of pregnancy which is a purely degenerative process, there was no duesse. In the experimental part of his work the author tries to confirm and extend his human find ings by animal experimentation Icterogen was used as a liver poison and its

effect on the mother and foctus studied with the result that the liver of the mother could be seriously discased a thout that of the foctus being affected at all This is probably due to the fact that the whole mass of acterogen was anchored in the mother s h er and did not get into the foctal circulation To test injuries of the Lidney the author used

subcutaneous injections of uranium nitrate and succeeded in a series of experiments in affecting the Lidneys of the fortus as well as those of the mother At any rate substances are formed as a result of the uranium i jury to the mother's kidness that are absorbed pass through the placenta and have a toxic effect on the fortal Lidnes s

Inve J Prophylaxis and Treatment of Inflament tions of th Tye in th New Born (Prophylare d Therapi der \ugenentzindung d \undersease borene) Orro kip 10 3 m 467 By Ze tralbl f d ges Gynak Geb rish s d Grenzgeb

At the ophthalmological chinc at Kolozsvar in

the last five years 45 or 1 17 per cent of the infants were treated for gonorrhosa According to the author's experience this caused undateral blindness in 5 6 per cent of the cases bilateral in 2 7 per cent. It is important that treatment begin early. The gonococci must be demonstrated if there are strentococci also in the secretion the danger to the eve ıs still greater

In premature births twins and poorly nourished

infants the disease is more dangerous. Prophylactically silver acetate is used but that is not sufficient The mother must be told in order that she may protect her future children

The eye treatment must be kept up persistently For the first few days cold compresses should be applied several times a day and irrigations with three per cent boric acid or potassium hyperman ganate if the cornea is threatened fodine trichloride 1.4000 should be used. If there is infiltration or ulcer of the corner the lid should not be inverted in irrigating. If the corneal ulcer is centrally located in irrigating. It the cornect success scenarior paracrus atropine should be given if it is peripheral pilocarpine. In prolapse of the iris pilocarpine is dropped in 2 or 3 times daily. If there is a nonprogressive infiltration of the corner dionin is used either in the form of powder or as a 3 per cent sale. Good results are often obtained with 1 to 2 per cent collargoi salve The disease generally lasts from 4 to 6 weeks. BOGDALOVICE

Gloerer W: Effect of Obstetrical Depression of the Skull on the New Born Infant and Its Bodily Development (Zum Engluss der Schilde-impression uf den Neugeborenen und seine kör perliche Entwicklung) Zische f Gebertsk u

Gynth 19 3 ixxv, 101
By Zentralbl f d. ges Gynth. Geburtsh s d Grenzgeb Gloerer objects to the operative treatment of

depression of the skull which has recently been recommended by various authors. He advocates a thoroughly conservative treatment and objects even to manipulation of the skull to replace it or to drawing it out with a corkscrew especially if there are no cerebral symptoms, as in that case it cannot have any effect on the later bodily and mental development of the child

The good results obtained by various authors show that the procedures mentioned above see not especally dangerous But even when there are cerebral symptoms they are not amenable to surgical treat ment. He reports 6 cases from the Witzburg clinic since 1805 and in none of them were there symptoms, such as convulsions and spasticity to indicate local hemorrhage even autopsy did not show injury to the bones or diffuse cerebral harmor rhage so that surgical intervention could have done no good.

Durham R. Obliterating Cholangitis Associated with Hormorchage of th New Born Island M J to 4, eut, 9 By Surg Gynec & Obst

The author briefly reports a case of this condition as follows The babe a boy was delivered normally and weighed seven and a half pounds. The family history was negative. Three other children born to these parents see hung and well. The baby appeared normal t birth. On the second day he was markedly jaundeded but the stools and unter normal. He nursed normally every two hours.

On the third day the icterus was deepening and the cord dressings were markedly stamed with bile On the fourth day the baby was fretful in the morn. ing the bowels moving five times with black stools The urine stained the pankins green. In the after roon, while nursing he was seen to become next for a moment and three drams of blood flowed from the nose The temperature was on 6° respirations normal, but forced there was some bloody mucus in the throat the pulse was small and about 130 the pupils were equal. The baby was in a stoner Examination showed a few rales at the base of both lungs Three hours later another hemorrhage appeared from the nose and mouth. There was no cyanosis Death followed

The post mortem findings showed deep jamaice of the conjunctive and skin Rigor mortis was marked. There was a large hamorrhagic area on the forehead. All the internal organs were deenly jaundiced. The stomach contained several drams of blood. There were numerous adhesions about the gall bladder and ducts duodenum and pancress. About the gall-duct these adhesions presented a matted appearance. After careful dissection the gall-bladder was opened and 20 drops of bile-stained mucus were found in it. The gall-ducts were identified as tiny threadlike tubes through which a very fine needle could be passed with effort. It appeared that these ducts were not functionating The h er was not markedly enlarged

Enwart L. Countil.

Mosbacher E (Ilnical and Experimental Study of the Effect of Thyroid Substance on Labor Pains (Almisch-experimentelle Beitrike zur Frage Thyreoiden und Webentitigheit) Zösier f Gebrigk Gyulik ung 1952 By Zentralbi i d ges Gyulik u Geborish a d Grenzeb.

Experiments were made in feeding thyroid substance to 30 pregnant gunes page and 2 cats, with the result that all of the snimals except two aborted. This may be attributed to its effect on the fortus to a direct action on the musculature of the uterus. To solve this question the effect of thyreoglandol, prepared in the same way as pringlandol was tried on the uterus of the rabbit after previous experiments had shown there was no cardiovascular effect. Many of the experiments were negative but some show d that thyreoglandol can cause contractions

It is worthy of a te that preparations that did not react t first reacted after the addition of very small amounts of ad enalm. This confirms the bypothese that thyroid extract and adrenatin act antagomistically Experiments on women showed that there was a strengthening and increase of the pains in I cases out of 41 with thyreoglandol and when adrenalin was added in 7 cases out of 12 but that t had no practical effect in hastening the deli erry

GENITO-URINARY SURGERY

KIDNEY AND URETER

Oliva G.: Variation in the Adrenalia Content of the Suprarenal Capaules after Different Ansesthetics (Variation du contenu en adrenaliae des capsules surrénales prés l'acesthéae) L'ogé ch 1914 at 11 By J urnal de Chrugie

The work of Wresel and Hornowski abroad and of Pierre Delbet Herrenschmidt and Beauvy in France has shown the anatomical and functional changes produced in the suprarmal capsules by ansethesia and especially by chloroform Oliva takes up this study anew in experiments on the dog, comparing the action of chloroform and ether

comparing the action of connotoners and actioned that. In his first section of vers much higher an etherized animals than in those anisathetized with chloroform the amount being double and sometimes even more. The difference was found in animals that died under the anisathetic and in those billed at vanious periods after the end of the anisathetis at went on increasing progressively at the twelfith hour the adicapital content had become animal in the other formed once in terminal very low in the chloroformed once in terminal very low in the chloroformed once.

These results confirm the prolonged and late effects of chloroform while the effect of ether tops very quickly after the end of its administration

In a second group of animals the author gave an injection of morphuse before the anaxyshess. The dogs killed four hours after the ansexthesia was administered had a much larger adrenalin content after chloroform than after ether on the contrary those killed at the end of 1 hours had a normal adrenalin content after ethernation and a very low one after chloroform it seems therefore that mor phine does not appreciably change the effect of either on the suprarenals while it temporarily suspends the town effects of chloroform but these effects appea, aft ir the morphine is chiminated effects appea, aft ir the morphine is chiminated

In a third series of experiments one suprarenal capsule was removed before the administration of the unsthetic and the other one aft rwards so their adrenalin content could be compared great decrease was found whatever the anasthetic employed there being no appreciable difference in the effects i chlorof rm and ether These results are less c nclust for th traum tism due to the first capsulectomy m st be taken into account The co trol animals who were not a authorized also howed a marked dimin to a in their adrenalin content some hours after the removal f the first capsule Taken as a whole Ohva's expens nts confirm o ce more the greater toxicity f chloroform as compared with ether OR LENORMANT

Brooks H Hypernephroma with Long Standing Symptoms of Adrenal Deficiency with Scieroderma and Scierodactylla. J Cut Ds. 1914, XXII 191 By S vg Gynec. & Obst.

Brooks presents a case of hypemephroma which is unique in several particulars. The patient a munican began at about the age of 15 to practice increasantly on the pano and continued to do so until his death even at the expense of strength and health be practiced long hours in cold undested tooms. He suffered for many years with frequent attacks of tonsilius and was never healthy.

Many of the most prominent physicians, both in Europe and America had evanimed the case and different diagnoses had been made the last one of which was chronic fibred phthais with tuber culous of the mediastinal and retropentoneal glands. The Moro shin reaction for tuberculosis was strong by positive although tubercular bacilli were never found 'Y ray plates showed a mediastinal mass and pulmonary invasion there was marked resorption of bones of the terminal phalings of the fingers and in some members, almost complete disappearance of this portion of the bone

Flainess extended from the fifth rib down on the left side with riles and occasional disseminated steas of bronchial breathing alternating with patches of diminished breath sounds. Similar sounds were also present on the right side from the sixth rib down to the liver dulless. Breath sounds were exaggrated over the apices numerous moist ribes were present over the cature their the beart sounds were present over the cature clean time state to make the contract of the contrac

Later in the history of the examination of the case a soft mass was found on the external superior aspect of the humerus. The patient continued to grow weaker and weaker until he was compelled to give up his position.

From time to time he suffered with severe at tacks of coupling with expectorations of fibrinous clots of blood Cyanosis became progressively marked and the retrosternal mass increased in size. Difficulty of swallowing likewae increased His death occurred a few months later apparently as a result of exhaustion

The autopsy showed a large mediante mass in the post mediastinal position untied until the roots of both lungs and the pericardial was displaced to five left. The feet lung was largely atteigation was so carmifed as to almost such in water. It had areas of tumor invasion apparently extending up from the lymph nodes. The mediastinal mass was made up of nodular but intumetry adherent masses.

pinkish white There was no tumor involvement of any other organ except the undersy and adrensis. The right adrensi was almost completely replaced by a firm pinkish with enephysian measuring 2 x 1 and 3 x 2 centimeters in duameter. The parenchyma had undergenoe almost complete atrophy. The medulia of the left adrensi was similarly involved by the growth but the growth could nevertheless be easily separated so that it did not seem to involve the parenchyma of the kinety. Microscopical the parenchyma of the kinety. Microscopical those pocular endoth had tumor diastified under the head of hymerophyma.

the head of hypernephrona.

The pathological report of the author does not seem to show anything more than is usually found in these adrenal turn in The author makes the point that diagnosis should hive been made earlier built it was not suggested or even thought of by any physician. If he believes that the extreme exhaustion continuing through many years should hive led to

an investigation of the adrenals.

During the period between the times when the patient was forced to stop work and the time of his death the scleroderma which was evident on the fincers disappeared the cracks healed up and the thickness of the skin became noticeably less. In the author's opinion the importance of the case is based on the shortening of the bones of the fingers but the \ ray showed no other bony scleross or atrophy and he believes that if this bony affection of the fingers was directly connected with the disease of the adrenals there would be other evidence on the skeleton. He therefore thinks that this ducties gland disease had nothing whitever to do with the hone changes that they were in all probability due to the incessant use of the ends of the fingers in striking the keys of the piano extending over a remod of from fifteen to thirty four years of age and this point is the author a excuse for reporting the case He believes that the atrophy of the bones of the fingers was not due to the disease of the adrends but was an occupational condition as was also the scleroderma at the ends of the fingers A C. STOLES

Frouin A., Meyer A., and Rathery F: Filter of Temporary Lightion of the Ren I Vein (Sur les eff to des lightners temporares des effonics) Compt read held a Sec 2013 LEX 215 By Journal of Churugie

In a series of experiments made on dogs in col-horation with Chesse From found sides ten minutes ligation of the renal venas (i) External epilepsy manifested by convisions and internal epilepsy manifested by vasaconstruction of abdominal organ by a construction of the control of the convisions of the control of the cont

so From Meyer and Rathery tried the experiments again and did not get the same results as the first time only the histological lesions of the kidney and liver being constant. They could not attribute the difference in results to the anseatheau the method of operation more to the freeding of the amake and concluded that only the bandongsal lemon, particularly those of the liver are constant as temporary justion of the renal veins but that the temporary justion of the renal veins but that the temporary are presented in the control of the con

Bloom J D: kidney and Urinary Bladder Stones Peculiar in Kind and Formation D & b C : s Res 1914 2VIII 123 By Surg. Gyace. & Obs.

The writer asys that salts of warous farms almost in the solid condition may occur in the blader without the formation of stone. These crystaline substances requires a collocal to coalesce the molecule Certain salts as for instance ure acid may be thrown down and carried out with the unne without the formation of stone. The author says that it requires in addition to the presence of these crystalines substances some surnation to produce albumpade has a bullet blood clot masters of hasterna or a certain this substance is the same of the same of the country of the same of the country of the same of the country of the same of

of stone
The aucleus of renal calculs of infancy is urate of
ammonia Phosphatic calculi are derived cheffy
from I me and magnessim salts in accessive skalimity the earthy phosphates are precipitated. The
phosphate of time and magnessim unmited is also
deposited. Faulty, catheterization defective mary
valton or sary obstructi e coordinois may be con-

tributory

The author states that there is a sympathy between the kidneys physiologically and pathologically in the one instance that is a reflect nature and in the other it is in the nature of a compensatory considerable of the compensatory of t

nundred and eve stones were lound in the busder.

The shape of calcult in the bladder is due to the contractions of the bladder. They are usually round but may take on various grotesque shaped. Oxalat stones are of the mulberry formation. Stones are more frequently found in the male especially those leading a sedentary the

That functional co litions contribute to stone formatio the author thi ks is undoubtedly true. He submits som pecimens on in the form of a duck a foot and som specimens of mulberry cal cult which are interesting. A C STORES.

Orr H W The Differential Diagnosis between Kid ey Lesions and Pott s Disease; Tuberculoals of the Spine Unit of Chas Rev 1914 2014 132 By Surg Gynec & Obs-

Orr d scribes the differ atial diagnosis between kidney lesions and early Pott disease. He emphasizes the necessity of careful physical examination to determine the presence of Potts disease and thinks that by careful study an early diagnosis of this disease should be made more frequently than

It is

Judson and others have called attention to the
fact that the symptom of early Potts disease in
children is frequently referred to as stomach
ache Moreover he says the muscle rindity about

extensive us to communicate itself to the muscles of

the flanks and abdomen

The gait and stooping position of the child with
spinal tuberculous are usually if not almost always
characteristic, and if a uninary examination is made
it will point to a differential diagnosis between Pott s
disease and infections of the kudney

the point of disease in the spine is frequently so

The author believes that a more extensive use of the Yray should be made in these diseases. The very great supportance of early conservative treat ment in spanial leanons makes an early diagnoss importance. He believes that the answer to this problem at the present day as to the differential problem at the present day as to the differential than the present day as the differential than the present day as the differential than the present day as the differential day of the present day as the differential day of the present
Kindberg L.: Study of the Kidneys in the Tubercular (Études sur le rein des t berculeux) Thèses d deci Pa 19 3 By Journal de Chrurgie

A C STORES.

Kindberg's report a filled with new facts and deas and should be read by all who are interacted in the question. The subject was opened by Chanffard and ducussion of tuberquiar nephritis and by the controversy between Landouzy and Bermard on one side and Brails on the other in regard to the chronic parenchymatous nephritis of the tubercular The former assumed that this condition really existed, the latter that it was only a symptom of renal sall-yloss:

It has been established that the Lidneys of patients with pulmonary tuberculous are functionally and automacilly normal in the majority of cases. The tubercular tonus if they east in the circulation do not cause immutakable toxic lenous in the lidneys. As to the bacilli in the circulation they may produce tubercles generally soolated without attentions in the adjacent parachyma. A condition often found is amyloid degeneration of the tudarys which seems to attack the liver spleen and suprarentals before the hodory and is generally more pronounced in those organs. Bernard Castingpe and others befure that it is always accompanied by more than the condition of the policieum of the condition that the date of the bar condition as explaints which is not the cause of it but is due to the same circlowed light.

kindberg showed by histological examination that the tubes were relatively intact but showed hypertrophy irregular swelling and a clear appear ance of the cells. This seems to correspond to the

hypenscretion which is observed clusically. In fact in these cases there is a peculiar functional symptom-complex, consisting in considerable lower ing of Ambards coefficient and a lowering of the chlendes of the serum below the normal though there is sufficient chlorum. This syndrome seems to correspond to an eraggeration in the power of concentration of the kidney. It is very early and enables one to make a diagnosis of amylosis before the appearance of marked albuminum; and edema. It is not due to the amyloid condition of the kidney tated but represents the reaction of the kidney thus far little an olived to the visceral amylosis and the condition of it the blood

Is there a true chrome nephrits of tubercular ongm " Not every case of chrome nephrits in a tubercular patient is caused by the tuberculous and tubercular patient is caused by the tuberculous and even if moculation is positive an ordnary nephritis with generalized lesions is not necessarily due to Koch is baciliate but it is nevertheless true that the syndrome of nephritis may depend on massive tubercular infiltration of the kidney "Atypical necroses may be observed interstitial infiltration are the syndrome of the kidney "Atypical necroses may be observed interstitial infiltration with the lesions definitely localized which sometimes cause the syndrome of mixed nephritis. These are special cases which do not appear to be closely

related to ordinary Bright a disease.

Finally there may be peculiar acute lessons of the kidneys not hitherto published found in tubercular patients who ha e died suddenly without clinical reactions and at the autopsy diffuse subacute lessons have been found such as intense congestion of the renal cortex and various types of necrosis of the cells and tubules Cases of ventable acute terminal nephritis have also been found in tubercular patients also cases of transitory acute nephritis of the hemorrhagic type which have recovered with out leaving any traces To explain these latter cases the idea must be accepted of a special reaction of the organs to a second tubercular infection a special form of anaphylaxis still so little understood in France except in relation to vaccines. In these cases of generalized acute nephritis there is a special sensitiveness created by the first inoculation of tuberculosis They always occur in patients with pulmonary tuberculosis in the course of development In these patients a remoculation with bacilly and perhaps also with soluble toxins by a mechan ism which must be determined in each case, causes the anaphylactic reaction which brings about the different types of acute nephritis mentioned de pending on its intensity

On the whole in this important work there is an attempt to restrict the term attempt and the struct the term attempt and the structure of the tuberculous can be readily established to the tuper original points are the description of the symptom complex in amyloid degeneration of the lidney and the acute susphylactic reactions of the tuberculous interrulous interrol almost completely makenors.

Alessandri R.: Can Renal Tuberculosis be Gured sundry Ref an stense procureme to carried flas and the Function of the Kidney Preserved flas tuberculose rénale peut-elle guéra avec conservation de la fonction du rela? Foisa sed reg. p. 36.

By Journal de Chauque

The question as to whether renal tuberculosis can be cured by medical treatment without the organ losing its function must at present be an swered in the negative A few surgeons maintain that there are exceptions to this rule but these excep-tions even if they can be demonstrated are fare

Observation has moreover, shown that renal tuberculosis is subject to remis ions sometimes of very long duration due not to recovery but to the walling off of the ulcerocaseous focus. Carlier Desnos and Hentz Boyer have cited cases of this kind which show that the drappearance of renal pain pyuna and bacilluria may result from a par tial exclusion of the Lidn y and not from the definite recovery of the tubercular focus. So that the Lidney which had been diseased may show a clear urine which does not contain pus nor koch s bacilli and is not toxic for the cobra and is almost as rich in extractive substances as that of the healthy hid ney when as a matter of f et a part of its paren chyma is transformed into a closed cavity the walls of which contain tubercles in a latent state which may reawaken at any time and reinoculate the bladder and destroy the organ which had been supposed to be cured. He reports two cases

woman of 45 had had bladder trouble and pyuna lor two years \ hypogastric incision was made and an area of soft fungosities removed from around the left ureteral ordice. There was rapid tecovery and complete disappearance of bladder symp-toms. Histological examination and inocul tion of the cobra showed that the fragment removed was tuberculous live years later the patient returned complaining of left lumber pain \enhrectomy showed the ureter normal. The upper two thirds of the kidney were also normal. The lower third was merely a sac with caseous contents and a fibrous wall completely closed without any communication with the pel is or with the ureter. It is evident that five years before the tubercular focus communicated with the pelvis since the area aroun i the ureter had become tubercular

At the time of r after the bladder operation the lower calyz was obliterated and the focus thus excluded whence disappearance of the pyuria and bacillura This case is related to those described by Casper Pawlof and key where there was a suble ureter draining a kidney A part of the kidney destroyed by tuberculosis was excluded by obliteration of the culys of the corresponding urete But this case proves especially that the arguments for the spontaneous recovery of kidney tuberculosis with preservation of the function of the organ are not valid. E en if catheterization of the ureter of the supposedly reco ered kidney gives a urine with out bacille or pus and not t vic for the cobra it is not safe to conclude that the kidney is well Therefore nephrectomy is at present the only rational treat ment for unilateral ulcerocaseous tuberculous of the kidney E JEANBEAU

Legueu F : Use of the Constant in Nephrecismy for Tuberculosis (Des applications de la con-at nte à la néphrectomi) J d'ural, 9 4 v 1 By Journal d' Chrange

Three points are to be considered in the application of the preosecretory constant in nephrectomy for renal tuberculosis (1) its factors (2) its interpretation and (3) its choical value.

I The constant depends (a) on the functional disturbance which the tuberculosis itself has pro luced in the parenchyms of the kidney which it has attacked. As a general rule the constant rises in proportion to the amount of renal parenchyma destroyed by the tuberculosis But it must be remembered that quite extensive tubercular lesions may exist in a ki livey without its function being very much disturbed (b) on the accompanying or consecutive nephritis of tubercular or other organ in the other kidney—the constant rises in proportion to the degree of nephritis in the other aidney (c) on the compensatory hypertrophy of the healthy portions of both kidneys

2 The variations of the constant may be con siderable in renal tuberculosis Leguen has obse ved as maxima and minima 11980 and 0057 Three possibil ties are presented (a) The constant is about 0 70 it is normal, the kidneys are function ing well. But the patient may present either per fectly healthy kidneys or a discrete bilateral renal tuberculosis, or a unilateral tuberculosis with in tegrity of the other Lidney which has made up, by compensatory hypertrophy for all that is lost by the diseased one (b) \ constant of o too significa that the patient has only one kidney or two halves of kidneys The disease may be bilateral and partial or unilateral and total It will require catheteriza tion of the areter to settle this question (c) The constant is 0 150 Diagramatically the patient has only one fourth of his kidneys but functionstion may be divided so that operation is contra

indicated 3 As to a clinical value when cathetenzation of the pereters is impossible the constant shows better than any other method the normal function ing of the othe kidney and it allows the surgeon to avoid catheterizing the ureters through the ope ed bladder o perio m ng an exploratory lumbar incision on the sound side. The constant does not acttle the question of the localization of the lesions This must be do by cathetenzation of the reters, radiography clinical examination and exploratory lumbar incision I TANTON

McCaskey B W A New Method for Estimati 2 the Punction I Capacity of the Kidners by Forced Elimination of Preformed Uren Med By Surg Gypec, & Obst. Rec 0 4 1222 507

The author considers as inferent al and unsatisfactory the af rmation given by the usual tests for renal function by elimination of foreign substances of which the phenol ulphonephthalein has proven to be undoubtedly the most valuable Each of these tests indicate only one phase of hidney function the kidneys may be unimpaired or only slightly impaired in the elimination of certain substances and most senously affected with respect to others The elim nation of urea being an end product of mtrogenous catabolism is one of the most important phases of kidney function, and it is very possible that its chimination runs parallel to that of other nitrogenous waste prod ucts and toxins which are responsible for the syndrome of Bright's disease A method of estimat ing this phase of functional activity would therefore be more physiological and rational and would furnish more reliable information than the elimina tion of any foreign substance. With this object in view McCaskey adopted the following technique About 6 A M the bladder is emptied Two hours later the urine is collected and the patient then is given 30 grams of urea dissol ed in 4 or 5 ounces of water Just before taking the urea the patient drinks one-half of six ounces of thin cereal gruel taking the other half immediately after the urea No other breakfast is eaten. The urine is then collected every two hours for twelve to twenty four hours the urea determined for each two hour period including the two hours preceding the ingestion of the urea. From these data a curve of urea excretion is constructed. Cases with an excretion of much below 20 grams in 12 hours should be regarded as of somewhat limited functional capacity while one-half this indicates serious

impairment Contrary to the report of Rowntree and Geraghty the author finds that the uses does not run parallel to the phthalen. He suggests that the functional capacity of the kidneys for chloride and water exerction should be determined by unmlar methods in suitable cases.

The above urea method is not for routine use but only for properly selected cases and especially for therapeutic purposes in which it is advanta geous to know the type of renal block present FRINK HYDAN

Smith E O: Sudden Death Following Pyelog raphy Am J Urol 9 4 2 By Surg Gynec. & Obst.

The author reports a personal experience in which he injected to com of to per cent collargol into the pelvis of the right kidney of a woman of 70 About 5 minutes after the removal of the cystoscope the patient died

The autorsy showed among other things general arteroscierosis val ular heart lesions and broat chius with emphysiems. The kidneys showed a chronic i tersitual nephritis with an acute superimposed process. M croscopical section of the right kidney showed collargol: the tubules and in a few cells.

The author concludes that the nuceton of collar gol under pressure unto the kidney is sufficient to produce shock and in the case of this feeble patient enough to cause the fatal result. He further at vices that injections of any preparation into the pelvis of the kidney should be done only by force of gravity. H. L Suroror

Ponomareff S I: Operation in Subcutaneous Rupture of the Kidney (Über den operativen Engnif bei subcutaner Nierenruptur) B ir z. kl Ckr 1914 ixxxx 683

By Zentralbl f d ges. Chir u l Grenzgeb

The author favors the conservative treatment of rupture of the kidney. The maternal of the Obuchow Hospital proves that good results can be obtained by this method. In the years 1898 to 1912 37 patients with rupture of the kidney were treated. Of these 37 patients 3 were descharged without being cured and the further course of the contract them to the contract them were complications in other organs. Operation was performed in only 8 cases Farnk and Michelson who also treat conservatively give about the same figures as the author for mortality and necessity for operation

Operation should be undertaken only when it is necessary to life or when it is reasonably certain that complete recovery can be obtained in no other way in se ere hæmorrhage in infection of the injured kidney or tumor formation in the region of the injured kidney if the tumor shows no ten dency to decrease in size but rather to increase

Operation should be undertaken as promptly as possible if there is a supprison of an intraperitorial rupture or injury to other organs in the abdominal early. If there is no infection of the kidney operation. If performed should be as conservative as such that the performed is not in the performed such that the performed is the performed thoroughly by catheterization in case it should be found necessary to perform nephrectomy.

VON HOLST

Schischko Z. P. Implantation of the Ureters in the Skin (Empfiancing de Uret ren in die Haut) Vra h Gas 913 xx 604 By Zentralhl f d ges Gynik Geburtah, a d Grenzgeb.

In order to study the question of what changes the kidneys and treters undergo in implantation of the ureters unto the skin the author carried out 37 expeniencis on dogs in a 3 cases non ureter was umplainted in 12 cases both In cases after the implantation of the one ureter the other kidney was removed. It was found that there as a tony of the ureter as a result of disturbance; or served to from cutting it. The stony which was observed in 56 per cent of the cases and which was often connected with contraction of the skin open gaplayed a part in the entrance of bacteria lato the kidney pelves. Anatomically the ureter was distated and its misscalture thome? The distance of the contraction of the distance of the contraction of the skin open.

Alessandri R: Can Renal Tuberculosis be Cared and the Function of the Aidney Preserved (La tuberculose rénale peut-elle guérir avec conserva-t n de la lonction d rein) Poles rei 1913 vi 256. lly Journal 1 Ch rurge The question as to whether renal tuberculosis

can be cured by medical treatment without the organ losing its function must at present be an swered in the negative A few surgeons maintain that there are exceptions to this rule but these exceptions even if they can be demonstrated are rare Observation has moreover shown that renal tuberculosis is subject to remissions sometimes of very long duration due not to recovery but to the walling off of the ulcerocaseous focus Caller Desnos and Hestz Boyer have cated cases of this Lind which show that the disappearance of renal pain pyuna and bacillura may result from a "par tial exclusion of the Lidney and not from the defi ste recovery of the tubercular focus. So that the Lidney which ha I been diseased may show a clear urine which does not contain pus nor Loch a bacilli and is not toxic for the cobra, an I is almost as rich in extractive substances as that of the healthy bid pey when as a matter of fact a part of its paren chyma is transformed into a closed cavity the walls of which contain tubercles in a latent state which

may rearraken at any time and reinocultie the bladder and destroy the o gan which had been supposed to be cured. He reports two cases A woman of 45 had had bladder trouble and pyurfa for two 5cars. L hypogastrue inced n was made and an area of soft fungosities removed from around the left ureteral onfice. There was rapid recovery and complete disappearance of bladder symp-toms. Histological examination and inoculation of the cobra showed that the fragment removed was tuberculous Tive years later the patient returned complaining of left lumbar pain Sephrectomy showed the ureter normal. The upper two there's of the kidney were also normal. The lower third was merely a sac with caseous contents and a fibrous wall completely closed without any communication with the pelvis or with the urreter. It is evident that five years lef e the tubercular focus communicated with the pelvis, since the area around the ureter hal become tubercular.

At the time of or after the bladder operation the lower calyx was obliterated and the locus thus excluded whence disappearance of the pyuna and bacilluna This case is related to those described by Caper Pawlof and Lev where there was a double ureter draining a kidney. A part of the kidney destroyed by tuberculosis was excluded by obl teration of the calyx of the corresponding ureter But this case proves especially that the arguments for the spontaneous recovery of Lidney tuberculous with preservation of the function of the organ are not valid heen if catheterization of the preter of the supposedly recovered Lidney gives a un e with out bacills or pus and not toxic for the cobra, it is not safe to conclude that the kidney is well Therefore arphrectomy is at present the only rational treat ment for undateral alcerocaseous tuberculous of the ki lney E TRANSPAR

Legueu F: Use of the Constant in Nephrectomy for Tuberculouls (Des applications de la cos-stant à la néphrectome) J d' el, 10 4 v J By Journal de Chrunge

Three points are to be considered in the application of the ureosecretory constant in pephrectomy for renal tuberculous (1) its factors (2) its introperculous in repretation and (3) its ci nical value

1 The constant depends (a) on the functional

disturbance which the tuberculosis itself has produced in the parenchyma of the kidney which it has attacked As a general rule the constant rues in proportion to the amount of renal parenchyma destroyed by the tuberculosis But it must be remembered that quite extensive tubercular lesions may exist in a kidney without its function being very much disturbed (b) on the accompanying or consecutive nephritis of tubercular or other organ, in the other kidney-the constant rises in proportion to the degree of nephritis in the other kidney (c) on the compensatory hypertrophy of the healthy portions of both ki ineys

2 The variations of the constant may be conand rable in renal tuberculous Legueu has observed as max ma and m mma oglo and oosy Three possibilit es are presented (a) The constant is about 0 70 it is normal the kidneys are function ing well. But the prizent may present either per fectly healthy kidneys or a discrete bilateral renal tuberculous or a uminteral tuberculos s with mtegrity of the other kidney, which has made up, by compensators hypertrophy for all that is lost by the diseased one (b) \(\text{constant of o 100 signifies that the patient has only one kidney or two halves of Lidneys The disease may be bilateral and partial or unilateral and total It will require cathetenas tion of the ureter to settle this question (c) The constant is 0 150 Diagramatically the patient has only one fourth of his kidneys but functions tion may be divided so that operation is contra

indicated 3 As to a clinical value when catheterization of the uereters is impossible the constant shows better than any other method the normal function ing of the other kidney and it allows the surgron to avoid catheterizing the ureters through the opened bladder or perio ming an exploratory lumbur incision on th sound ide. The constant does not settle the question of the localization of the lesions This must be done by catheterization of the ureters radiography ch ical examin tion and exploratory lumba i custo I TAYRON

McCaskey B W. A New M thod for Estimati 2 th Functional Capacity of the Midneys by Forced klimination of Freformed Uren Vel Ret to 4 lunn 507 By Surg Gyner, & Obst

The autho considers as a fere tial and unnatisfactory the information given by the usual

Incrusted Cystitis (La cystite in-Francois J crustée) J d roi 1914 v 35 By Journal de Chirurgie

Incrusted cystitus is an ulcerative inflammation of the bladder wall with deposits of calcium phosphate on the surface and in the walls of the ulcer it may appear in the course of acute cystitis but in the majority of cases (13 out of 16) it follows a long period of chronic cystitis-3 to 5 years It presents the usual symptoms of cystitis and sometimes also débris of the incrustations are discharged or even true gravel The urine has an ammoniacal odor and is generally alkaline The capacity of the blad der is reduced and varies from 100 to 30 ccm concretions discharged are in the form of vellowish or brownish scales, rough on the surface adherent to the bladder smooth on the opposite side Retention of urine and pyelonephritis are frequent complications

The cystoscopic picture varies according to the thickness of the layer of incrustation. It may show simply yellowish non-elevated patches with ir regular borders at may give the impression of a thin layer of cotton on the mucous membrane or it may be thick and elevated resembling a tumor or a calculus and giving the impression of a white sponge in the bladder These incrustations are multiple and distributed over the trigone the fun dus and the lower part of the bladder cavity. The surrounding mucous membrane is red cedematous,

or even ulcerated

The favorite location is the trigone the region of the ureters or the neck they may be localized on a hypertrophied prostate lobe Local necrosis of the mucous membrane is the first phenomenon. and the calcareous incrustation is secondary. It does not recover spontaneously Curettage by the natural route or even after cystotomy often fails to prevent recurrence and should be replaced by excision of the plaques followed by suture

Farnarier Treatment of Stubborn Cystitis by Iodine Furnigation (Le traitem t des c) tries rebelles par l'enf mage iodé) Arch rol l d hecker 9 4 1 353 By Journal de Ch rurgie

I TANTON

Farname adds o cases to those already published in his thesis on this subject. He describes in detail the technique of his method by which he has now treated 3 cases f cystitis a which no improvement could be obt med by any of the usual methods of

The results obtained are as follows 11 complete recoveries including 8 cases of acute cystitis of the I f acute cystitis n a prostatic case 2 cases of tubercular cystitis after nephrectomy Im pro ment was noted in 12 cases 1 cluding 8 of tubercular cystatus I of calculous cystatus I of cancerous cystitis 2 I cystitis of the base ti e action was noted in 4 cases of tubercular cyst There were 4 unsuccessful cases including a case of chro ic cystitis in a prostatic case i of chronic

cystitis in a tabetic case i chronic cystitis from an unknown cause and I tubercular cystitis There was one case of temporary exaggeration in a slight cystitus of the neck. Iodine fumigation is infinitely less painful than the injection of phenolized gly cenne by Ronsius method, and it constitutes one more good method in the treatment of stubborn MAURICE CHEVASSU cvstitis

Deavor T L. Chronic Retention of the Urine: Twenty Eight Years of Catheterization Am M Asy vota his tota By Surg Gynec. & Obst

The writer reports a case of continuous cathe terization in a female extending over a period of twenty-eight years At the age of fourteen having previously been perfectly well she was seized with severe hypogastric pains with inability to The attending physician finally resorted to catheterization which has been continued ever since although all other known methods were employed from time to time to relieve the condition without success On her last admission to the hospital nothing in the past history physical or cystoscopic examinations could be found to account for the retention There was a well-defined spasm of the internal meatus. The urine showed a mild chronic cystitis and the bladder held about a ounces The natural desire to unuate had for years been faced by severe suprapulic pain

existed operation was resorted to in order to give the bladder rest and a suprapulic cystotomy was The internal meatus was found small and tense and lacked the usual resiliency and the blad der wall was considerably thickened. After the suprapubic drain was removed a permanent catheter was tied in the urethra and as the suprapubic dramage subsided all the urine came through the catheter This was allowed to go on for a week when the catheter was clamped off and the urme allowed to accumulate for one hour and then the bladder emptied This time was gradually length ened up to five hours when 12 ounces could be retained without discomfort. The original hypogastric pain gradually subsided and the usual desire to urmate returned Next a smaller catheter was used and urme allowed to escape around it at stated times Finally the catheter was discontinued altogether The recovery was perfect

Because of the length of time the condition had

C R O CROWLEY

venot I Att mpts at Treatment of Reten tion of Urin without any Mechanical Obstacle tion of Urin witnout any sectionists of occur-(Essais de traitement des étents na durine sans ob tacle mêca ique) Pog mil 1913 al 651 By J raal de Ch rurgie Retention of urine without any obstacle or with

Thévenot I

out even sembty is well known fr t has been observed in young subjects due to a loss of contractile power I the bladder from some unknown cause In such cases electrical treatment has been tried

section and even prostatectomy in cases where it has been supposed that the prostate might be the cause Everything failed

Le Fur had one successful case by creating a temporary suprapubic fistula Rochet in two cases and Cathelin in one affected a cure by plication of the bladder after subperstoneal dissection by the suprapulic route Since then Rochet had devised & new surgical operation which consists in sur rounding the antero-lateral wall of the bladder with a muscular band formed from flans of the rects of the abdomen a band which arms to raise the bladder which has sunk down on its base and to constrict

it by lateral compression, flattening it transversely Readers are referred to the original for details of the technique of the operation which has been performed only once with good immediate results out it has been too recent to permit sudgment as to

its permanent results

GENITAL ORGANS

Barney J D: Abscess of the Testicle Sure Gyace & Obst 1914 Evil 204 By Surg Cynec & Obst.

Barney says that abscess of the testicle, as distinguished from the epidodymis is very rare. He reports three cases occurring in his own practice in which no primary focus could be found and where there was no general infection as a causative factor Orchidectomy was done in all three In one the bacillus mucosus caosulatus was found in nure culture, in another the colon bacillus. The

epididyrous was not actively involved in any case A pathological report of one specimen showed that the inflammatory process had extended by way of the interstrual tissue

The author discusses infection of the epididymis and tests and is of the opinion that in the case of the latter organ there is evidence of a selective function as well as an excretory fu ction. These together with its rich blood and lymph supply determine the mendence and nature of an infection organisms attack only the epididymis, others only the testicle while still others attack both organs The theories of their transmission to the testicle by way of was lymph and blood stream are dis cussed

Gowan G Conservative Surgery of the Teathcle Surg Gy or 5" Obst 19 4 27th, 320 By Surg Gyocc. & Obst. MacGowan G

Careless and wanton destruction of the essent al genital organs in men and women has been ery (requent in the past and remains u necessarily frequent now rare in men because males are more reluctant to a bm t to castration, but inspired by fear they will consent to mutilation

The exercise of patience and skill in diagnosis surgical ingenuity and anatomical knowledge would

save many testicles.

Indurated and painless growth without tran matism should arouse suspicions of lues a history of infection not always to be cheeted possibly late hereditary without the presence of the usual sig-mata. If clearly syphilitic, and resolution under matta. It clearly apparatic, and resonation mount salvarsan or mercury does not occur exploration for thick-walled hydroceles of the tunica or cord their removal and the release of pressure caused by ad hesions may be followed by speedy cure Mac Gowan reports three cases of this character

He concludes Conservative surgery is usually applicable to tuber culous testicles—tuberculosis is the infective disease that most frequently gets well. Protest should be made against castration in all but malignant cases of this disease or where the testicle is plainly the initial and only focus of infection. In tuberculous of the testicle which commonly commences in the epididymis epididymectomy is a conservative operation A case is reported of double epididymectomy in which the power of copulation is preserved intact after five years Resection of a tuberculous testicle may be successfully accomplished. A case is reported where sexual power was retained after removal of one testicle both epididymu and half of the remaining testicle

Conservative surgery as applied to traumstir destruction of a part of a testicle is discussed and a case is reported of the successful resection of more than one half such an organ

Knight G. P: Epididymotomy with Report of Cases, Am J Urel 9 4, E, 58 By Surg Gynec, & Obst

The author reports five operations fo epididy mitis. He used the Eckels technique with slight modifications. Where Eckels used a blunt probe or grooved director for puncturing Knight employed a blunt pointed needle making from ten to twelve punctures Eckels states that the preparation of the patient is the same as that for a general anasthetic as local anasthesia is not advisable. The unter has used local anæsthesia for this operation in several of the cases which he reports, with absolut success, hearing no complaints of pain and noting no symptoms of shock He admit there may be some pain if an relatis is present as happened in one of his cases but with careful handle g of the testicle this symptom can be obviated His conclusions are

There is immediate abat ment of all as mptoms

for which the patient seeks rebel

2 The tende cy to relapse is nil

3 The operate procedure is without dinger as regards angethesia because the general angethetics ean be eliminated

4 This operation as compared with the older methods of treatment is ne of utmost importance from an economic point of view, not only to the nationt when loss f time from daily labor is con sidered but lso to the hospital n it economic administration by greatly diminishing the number H A MOORE of days of treatment

Wade H: Prostatism I 5 g Pl-la 1014 hr 321 By 5 rg Gynec & Obst. This articl is long will written splen fielly

ans arise is song a n written spien half libertated and has a good lithography. It goes runt by into a written and a lustrated description of the normal and pathol goal anatomy of the

prostate bladder an ladjacent organs

"Ind decarate the dadges, of simple by pertophy the unibot argues has bed that this may be due to some alteration in a normal internal secretion and a so a size that this hypertrophy practically always modes the mid-le loke. He further remarks that it y the nature of the growth the ejaculatory ducts together with the seminal vesicles are displaced of waswards and backwards into a region of safety the rely favoring the case with which a super pulse operation can be done. Is the corresponding to the congress of in such a way as to form a sort of false to compete of in such a way as to form a sort of false telescent it and the hypertrophical traits as well marked.

Instance (from we do it upon at some I ogstland to on his intergrand I to titure to so in creased in amount that the whole organ is more or the sel relie a process which wale empares to that (the k long and other organs Thoore growth of concretive tissue knears on false capoute as I thou in letting providing and sheath being much more intuinate than nortical the removal of the rigin I) any meth is a network executing and of the light in though the issue specially in

a loth firms at not but project.

Cr nome werred in event of ten of Wales cases there 6 heed achronic lobular routaints as all. Prec types I arin me we found the inthe resultant. It is because nome took wall asys the necre asy legs in the cent of any rea I have beliad previate so that one project section of the all origin mey have to be

ria le or 1 Junvered f If nd the cause of I the unifer ted cases I prost to m la eg spec tre with fleets fith les a ponthe un virat int dece notitem rial w h at b q tes fre is from f gures f others ni says that if the real ith world how no go eral reducin the mint le li th & th a wolf ath ner him would all stitutes the set to recitif in hims quality the prosess to recitif in hims quality and the pr 1 1 100 bed i wellt beth sectan . t٩u T pro ca

11 1 147 reutes and their ad 4573 **~**IF t mel are are seties I the I se se le I to prot a 1 De lut ten ----I prove a 1 17 c m ** n ul m al (n Il to it rectors prese t for 3 ٧. -----

the time of mathematical and the second of t

tatism due to other causes than advanced chronic lobular prostatitis

3 The suprapu' c transverse vesseal method of prostatectomy by visual dissection offers the prot of levelopurg into a means of treating proeta itsm which will ultimately warrant its adoption in a large number of cases

a targe number of cases
4 I rostatic careinoma in an early case may be
cl usedly in i stream hat le from hypertrophy due
to chronic lobular prostatits

J D Banner

Beer E Adenoma of the Prostate Med R c 1014 Itax 471 By Surg Cynec. & O'nt

The author reports \$1 cases from the gen of unnuty service of Mt. Sinu Hornital. Sit were operated by the suprapulo croute to trefused overation is were too ball risks for prostatectomy and 4 hall such sile ht symptoms that a prostatect my.

a hall such all ht symptoms that a prestatect my did not seem a bit able. The writer believes the growths to anse from the much discussed in like I be in the remon between

much a war we in 1 He 1 70 in the 1870 between the epitulistic duries He less used in leful the mechanism of obstructs in 800 ing that obstruction is due to a shutting off of the unreliate by the pro-tate at the same of the control with that the same of the control with that the same of the theorem is the control with the same of the that the same is presented in the same as the control with th

The author belones as a very careful pre in many study of prot the cases. He lay after upon thre things (1) The antionical and functional condition of the Haller (2) the condition of the heart and (2) the condition of the arteries

He thinks that the functional test is ullifuel and emphases the following litum

It can be sale with abbolic ettruth that the nearest aptient comes to a conflict a 1 who he execute of the scannowal tances; zer proceedings of the scannowal tances; zer proceedings of the scannowal tances; zer proceedings of the scannowal tances; zer mittal the greater that the first proceedings of the scannowal tances are the scannowal tances.

If we not bel it the area ex ret as f an gre t t in telemina it functional actions to be the second

an great t in letermina the functional activity the half of.

The a his letter is the one and two tarmon erations. He has reserved at the fill of the formula of the fill of the formula of the fill.

real as it to exhibit give the lifet of it outside time who produce to produce to the state of the latter of the latter of the latter of the product to here the product of the product of the product of the latter of the product of the latter of the latte

down to ence present on debour a dell The picture in those on debour a deal make and adopted appropriate forms in the form of the 24 percent He packs a long gause pack into the bleeding region from which the prostate is taken with a heavy alk thread attached to the gause pack and persed through the tube. For an anasthetic the

writer prefers ether preceded by grs.

Of his 3 cases, the first deel from kidney infection the second had a latty heart the third had an apoplectic stroke the fourth died twelve days after an operation for embolism the fifth patient died from a blood ensis" in advanced myelogenou

leukarma.

Strycholne and caffente are used as stimulants in the post-operative treatment Saline is used per rectum If much occupy is present the clots are washed out by a catheter introduced through a drainage tube The packing is withdrawn in three or four days through a kelly endoscope Whenever drainage is not well controlled a receptacle of hard rubber is glued over the dramage hole to collect the urine

These cases are irrigated each day through the urethra with a urethral tip and the urine is

kept acid with urotropin Closing of the fistula

is usually easy and rapid The author lays stress on careful asepsis and prevention of injection. He says the end results of these operations are ideal A C. STOKES

Deaver J B.: Suprapuble Verms Perincal Pros tatectomy Ann Surg Phila tota by 360 By Surg Gysec. & Obst.

The author summarizes his article which em bodies the results of his personal expenence with prostatectomy with the following arguments in favor of the suprapulse route

The approach to the prostate is simple and practically bloodless

2 The envelopment of adenomators growths in

accomplished with case 3 The working field is large and under perfect tortgoo

- 4 The prostate is accessible and can be made more so by digital pressure on its rectal surface and without the danger of injury to the bladder from the use of tractors necessary to the perment opers
- 5 The muscular control of the bladder is not disturbed since the internal sphincter may be avoid ed and the compressor weethrs hes outside the line of cleavage Incontinence is therefore less frequent

following this technique 6. Permanent fistulæ are less frequent after the suprapubic operation They never occur in fact

if the wrethra is boughed

- Stones can be more easily removed Sexual potency is maintained as frequently after the suprapubic operation as after the permeal, and the question of sterility is rarely of any couse-
- The mortality is in properly selected cases no greater and the percentage of uncomplicated cures is larger

In his preference for the suprapuble operation Deaver yields (1) in cases of carcinoma when lines of cleavage have been obliterated (a) in tuberculous of the prostate (3) In the small scierotic prostates of chronic prostatitis or fibrous hypertrophy He states that he operates rarely in these groups of cases and then only on the strongest indicators, using the perincal technique of Young

H L SANTON

Grinenko, A. P.; Total Removal of the Prostate in the So-Called Hypertrophy of That Giand (Zur Frage der totalen Entierang der Prostate ben der so-granneten Hypertrophe derselben). Arch. f. M. Ch. 1914 cm 1859 By Journal de Chiungle

The author made a minute microscopical er amination of 12 hypertrophied glands from cadavers and of 20 obtained by operation Based on his observations he discusses the total removal of the gland and comes to the following conclusions

The gland has no true capsule which separates it from the surrounding tissue

2 By its capsule is understood the covering which is formed around it by the folds of the privice fascia

A division of the prostate into lobes is un justified from the anatomical standpoint,

The glandular tusue of the prostate is divided by the internal amouth sphincter into the centra group of the persurethral glands and the perspheral group of the true glandular tusue of the prostate.

5 The musculature of the gland forms a con-tinuation of the musculature of the prostatic part of the urethra

6 The giand is very intimately connected with the surrounding tissue by its musculature 7 In the so-called hypertrophy of the prosiste adeaponatous nodules develop in the smooth sphine-

ter from the persurethral glands 8 These adenomatous nodules are closely connected with the urethra and are arranged around it, in front of the ejaculatory ducts and above the

colliculis seminalis o The entire mass of these nodules which are covered with a kind of fibromuscular capsule can be enucleated from the gland through the bladder

This nodular mass projecting into the bladder gues the impression of an adenom from its clearly defined boundaries and relative independence

it In transvencal prostatectomy the periorethral adenoma is removed the prostate tsell re-

ma ning in place

12 In this operation a part of the prostatic
urethra is removed with the tumor while the

elaculatory ducts as a rule remain intact 14 Histologically the complete removal of the prostate without I juring the covering of fascis

ss impossible 14 The transvesical method of removing the tumor from the gland must be regarded as the only rational one.

SURGERY OF THE NOSE, THROAT, AND MOUTH

NOSE

THROAT

Pfingst A O A Case of Complete Bilateral Bony Occlusion of Both Nasal Cheante La yagescope TO 4 XXX 170 By Surg. Gynec. & Obst.

The author reports a case of a telephone operator aged 24 who complained of mability to breathe through the nose undeveloped sense of smell hearing normal and good general health until within two years since which time she has suffered with daily dull frontal headache. Upon removal of considerable mucus from the nose by suction he found a hypertrophic rhinitis, the septum slightly deflected to the right and a probe passed through either meatus met a hard firm obstruction far back

The post rhinoscopic examination revealed a septum slightly convex, appearing to have a general direction downward and forward completely closing the lumina of both choans. The margins of the choang were well defined and the vomar projected slightly beyond the septæ in the median line the finger the septum gave the impression of being After cocumzing the septi the author re moved a button of bone from the right side with a hand trephine but on account of pain the patient refused further operation and passed from observa tion the next day

Eight years later the patient reported that since the operation she had been able to blow through the right nostral

Atresia of the choanæ is mostly congenital bi lateral or umlateral osseous membranous or both and is best treated by making several small boles in the septum with the electric drill and punching out the bone between to make a large opening extend ing to the nasal septum thus preventing reclosure ELLEY J PATTERSON

Dighton A The Submucous Resection of the Nasal Septum Cl J 9 4 zhat 4
By S rg Gynec, & Obst

Th author considers the operation indicated in case of any leffection which causes interference to th natural entiation and dra nage of the nose masal sinuses or ear but contra indicated in children under fiftee years of age and in all cases of active s) phil s
In operating the author considers general an

ersthesia untu titiable and the initial incision as the most important at p in the operation this should be m de to the plane between the penchondrum and the cartilage LIER J P TTERSON

Davis, J L.: Fixed Sources of All Hæmorrhage from Tonsillectomy and Its Absolute Control Laryngoscope 19 4 XXIV 161 By Sure., Gynec, & Obst.

The author states that while numerous arterial branches reach the tissues which enter into the formation of the tonsillar fossa a single artery enters the fossa at its superior extremity passes downward between the capsule and the muscular aponeurous penetrating the capsule to reach the tonail

Accompanying the artery are two viens, one running upward to join the palatine plexus and one running downward to reach the pharyngeal plexus

Thus in the average case one artery and two werns are the principal vessels severed and since the venous oozing is of temporary duration there recontrol of hæmorrhage

The author controls hamorrhage by retracting the superior margin of anterior pillar grasping the artery carefully to avoid injuring the wall of the fossa and tying a ligature of to r catgut about the vessel ELLEY I PATTERSON

Vanderboof D A. Technique and Results of In jections of Alcohol for Pain in Tubercular Laryngitis. Ill out II J 1914 xxv 130
By Surg Gynec. & Obst.

From his experience in relieving pain in late tuber culous ulcerations the author advocates early blocking of the nerve in those cases where the ul cerated condition is in that part of the throat in pervated by the internal branch of the superior latvnegal nerve

He uses for the injection a warm to per cent soln tion of alcohol with a record a ccm syringe the needle of which is filed across and blunted so as to avoid the danger of injuring the superior laryngeal artery which lies in close proximity to the nerve

The operation is done under asentic conditions with the patient in the recumbent position skin is sterilized with iodine the nerve located a em from the incisura thyroides then w th the skin between the thumb and forefinger the needle is inserted with a slow pushing and twisting movement slowly moved about until the patient complains of a sharp pain in the ear or jaw at which point the alcohol is slowly injected the needle being moved about so that five minutes is consumed in the in section of the 2 ccm. Upon the withdrawal of the needle a collodion dressing completes the operation.

ELLEY J PATTERSO

Bérard L. and Sargnon Two Cases of Laryngopharyngectomy for Cancer (A propos de denx cas de laryngo-pharyngectomie pour cancer) Lyon chi 1913 x No 6 By Journal de Charqupe

The simultaneous removal of the laryax and all or a part of the pharyax is indicated in intrinsic cancer of the laryax which has extended secondarily to the retro systemod region and the pharyax in extrinsic cancer behind the arytenoids or near the pharyacolary

tumors are the only justification for the operation It is generally possible to preserve the posterior wall of the pharynx in the form of a band of mucous membrane of varying width the edges of which can be united by flaps of skin buried in the wound. In place of the organs removed a trough of skin and mucous membrane is formed opening forward operation may be performed in one stage without a preliminary tracheotomy or in two stages. In the latter case a tracheotomy is performed 15 or so days before the principal operation Bérard and Sargnon recommend low transverse tracheotomy which is a little more difficult to perform than the classical tracheotomy but which gives no trouble in the later operation and insures a very firm fixation of the traches, preventing it from retracting and causing mediastinitis If recurrence does not take place quickly the pharyngeal trough is closed secondarily by a plastic operation by means of skin flaps taken from the neighboring regions this operation is delicate and not always completely successful fistulæ persist sometimes

In their cases Betard and Sargnon used the twostage operation In one case they used local smatthesia with novocame in the other the same mentientic combined with a very slight general amesthesia by Billitoth amethod I in both cases the local provincian amethod. The two patterns who both had extrinsic cancers of the largnar bone the operation will but one died of recurrence after four months before the plastic operation could be per formed. In the second case the complementary operation which was performed two and a half months after the larvagopharyngectomy was a partial fallure and another operation was necessary to make the closure complete

Larypopharyngectomy is an operation of considerable gravity but perhaps not greater that that of sample laryngectomy Glück and Soreson publabed statistics of their own r.g. cases with 50 deaths, 25 per cent In the last 14 operated on they did not lose a single patient Berari and Sarpson and report of 32 cases from different authors, with 6 deaths 19 per cent and 7 raynd recurrences.

CH LENGRAM

MOUTH

Massia G and Therre A: Peridental Cysts and Tuberculosis (Kystes paradentaires et tuberculose) Lyon ku 1914 11 68

By Journal de Churupe.

The pathological anatomy of these cysts is well known and it is universally admitted that they originate in the cythelial defens near the aper of the tooth. But the cause of their development is almost entirely unknown it is generally supposed that the epithelial prodiferation is caused by the miratistion resulting from dental carnes. Massas and Therre's case shows that a specific ind ction such a tuberculous may be a factor in the pathogeneis

of these cysts In a man of 35 who had tubercular lessons of the apices of both lungs and most of whose teeth were carious these authors found a cyst as large as a small pea at the root of the first upper premoisr The histological examination of this cyst showed typical tubercular follicles with giant-cells in fortunately bacteriological proof was not furnished as bacilli were not found in the sections and in oculation was not practiced. This is not a unique case Euler published a similar case with the presence of tubercular follicles and Loch s bacilli in the walls of the cyst, and more recently Zilz reported 4 cases of cyst of the root of the tooth with positive inoculation in the cobra Therefore tuberculous must be admitted as an etiological factor in these neoplasms. Generally the fection takes place through a c rous tooth but Massia and Therre adm t the possibility of infection through CH LEWSMANT the blood tream

ABSTRACTS OF SOCIETY PAPERS

AMERICAN GYNECOLOGICAL SOCIETY

MEETING HELD AT BOSTON MAY 19-21 1014

Henderson Y Recent Experiments Defining the Dangers of Amasthesia T Am G; ec Soc Boston 1914 M y By Surg Gynec & Obst

The great advances recently made in anæsthesis have replaced vague conceptions with precise knowledge of how fatalities are produced are found to be rarely due to excess of anaethetic but rather to incomplete anaethesia

Thus Lerez has shown that with excess of chloroform respiration always fails before the heart but that in lightly chloroformed men and animals excitement adrenalin or sensory stimulation

produce delimum cordis

Under hight etherization the heart is peculiarly susceptible to asphyras Partial asphyration is not uncommon even with a so called open method A sample closed method such as the Roysing mask and bag may keep the patient a better color (a true index of oxygen supply) than an open method because less ether is blown away by stormy breathing and the patient gets a vapor of adequate strength

Ether should be used as a gas 1 e vaponzed before being brought to the patient Boothby has shown that there is really no difference in the amount needed by refractory or difficult subjects and others Experiments by the author show that the ill effects of ether depend largely on the excutement of respiration that different grades of ether differ markedly n this respect Ether deteriorates when exposed to hight air and water

and becomes non-exciting

Experiments on men and animals show that ether excitement is always followed by subnormal breathing cyanosis and partial asphyxia with deleterious effects on the patient. The natural methods of prevention are to use ether as a gas to prevent excess e loss of CO, and to administer small amounts of CO2 as a resp ratory stimulant after the anasthetic is withd awn

Smith R. R. The Behavior of the Abdominal Cutaneous Reflexes in Acute Conditions within th Abdomen T Am Grant See Bost 20, 92 By Surg Grace 6 Obst

The beha tor of this reflex has been noted in 75 cases in which diseased processes existed within the abdomen The great r part of these were acute The results have been compared with the findings at operation which followed. This reflex and its

behavior has been a test frequently used by neurol ogists and attention has been called to it in local conditions within the abdomen by several writers The reflex is obtained by stroking the skin of the abdomen which normally produces an almost simultaneous contraction of the rectus and oblique muscles on the corresponding side It is common to distinguish four reflexes — two above and two below The reflex is very constant in healthy young people though uncertain in very young infants and in old people or those with very relaxed or very obese abdominal walls In the acute inflammatory diseases within the abdomen it is common to find this reflex involved to a greater or less extent and the test may be made use of in the diagnosis and in

estimating the extent of the lesion

Smith has found that in 75 cases of acute appen dicitis the reflex was more or less involved in 65 It is sometimes involved even where rigidity is absent or uncertain. The reflex was commonly impaired only over the seat of the lesion when cir cumscribed though in these and more extensive processes the other reflexes were also frequently weak ened or lost It is commonly though by no means uniformly involved in ectopic pregnancy Its normal presence in cases of bowel obstruction would help to eliminate any acute infectious condition and in the subscute infections of the pelvis he found the lower reflexes almost uniformly absent. He believes that although the test has a limited value it may be of distinct advantage to the surgeon and it is well worth his careful study

Gatch W D : The Effect of Laparotomy upon the Circulation T Am Gy Sec Bost n. 1914
M y By Surg Gynec & Obst

Operations upon the abdomen are very hable to be followed by disturbances of a more or less grave character of the general circulation because of the large amount of blood contained in the abdominal viscera. This is from 35 to 40 per cent of all the blood in the body. The circulation through the abdomen depends primarily upon the action of the heart though the negat ve pressure in the thorax and the movements of the abdominal walls may assist the flow somewhat The pressure in the vena cava inferior is the same as the intra abdominal pressure When the latter is increased by ascites or tumors the pressure in the veins increases to an equal degree. The maintenance of this venous

3 Where there has been a laceration through the rectovaginal sheet and levator and muscle perhans including the snal fascia, with consequent rectorile

or rectal prolanse

Not only must the type of prolapse be ascertained but the size of the uterine body the amount of in fravaginal or supravaginal hypertrophy of the cer vix the extent of the vaginal eversion the degree of cystocele and rectocele the amount of cedema and the general condition of the vaginal walls, the presence of absence of adhesions adnexal tumors, the degree of visceral ptosis and intra abdominal pressure are to be considered. Furthermore every woman with pelvic prolapse should be examined in the stan ling posture
I rimarily the causes of f ilure have been

s Errors in judgment in the selection of cases for this procedure

2 Errors in technique a Atrophic tissue changes in the reconstructed

supporting structures 4 Unrelieved intra abdominal pressure acting in conjunction with an abnormally large pelvis or

in a pelvis of faulty inclination Admitting that 82 cases is too small a number

from which to draw any general deductions the author offers the following conclusions Interposition operations should be limited t

women at or past the menopause with relatively small uters and that when the procedure is elected in those still menstrusting sterilization by tubil ligation should be done at the time of the operation a Cases of prolapse in which the sheing takes

place in the post-pubic cleavage plane are not cor rected by the interposition operation
3 The morbidity is wholly due to technical de

fects, such as improper preparation, imperfect his most asis bladder injury with its consequent vesical disturbances

In anteverting the uterus, the anterior wall of the uterus should rest on the fascial plate inst behind the pubis The fundus should not be bro ght under the arch as excessive anterior displacement not only favors recurrence but anteflexes the uterus and interferes with drainage

The curettings from uten about to be trans posed should always be examined as degeneration

may occur 6 Hysterectomy if subsequently necessary is easy after this operation

7 Incidentally dyspareuma is a constant and troul lesome compl int Harvey B V True

Byloed II T : An Internal Alexander Operation ord II T 1 Am January 10 4 3t y
T Am Grace Soc Bosto 10 4 3t y
By Surg Grace & Obst

The author considers the Alexander operation the most situafactory for replaceable retroitersion due to relaxation of the pelvic tissues. If lacera tions about the vagual intrance are present they are also repayed Operations upon the sacrouterine ligaments are not advocated in rulinary

cases because according to the experience of the author these ligaments will gradually grow shorter after an Alexander operation if a small sized pessary is worn for a few months to protect them from Overstretching

When a median abdominal incision has to be made for pelvic conditions the ligaments are shortened through that incusion in such a way that they draw toward the internal inguinal rings as in the Alex ander operation and in such a way that the sutures are extraperatoneal. A fold is taken in each ligament and sutured These folds are drawn through a perstoneal puncture near the internal ring and at tached along the inner surface of the abd wall at this point but extraperitoneally. This is easily accomplished after separating the penioneum from the abdominal wall on either side as far as the internal ring.

Stone I S: The Technique of Supravaginal Hys-terectomy Since the Introduction of Indias as a Sterifizing Agent T Am Gyar Soc Boston g 4 Mar By Surg Gypec, & Obst.

The literature of this subject has not been profine since the mortality of hysterectomy reached about 5 per cent in the hands of most operators, and the very low rate of a per cent in a few clinics. It is not surpresing that a certain amount of trauma and shock should result from the removal of a large tumor which may have been enucleated from the broad ligament and which carries with it the uterus itself This result of operation is not the only very important consideration. If there be blood or serous collections about the stump under the blad der reflexure or peritoneum - a much more liequent occurrence than many suppose - it is very important to avoid even the slightest infection of the wound area especially in depleted and shocked

patients lft r the usual careful study of each case present ed for the operation the method used by the author is substantially as follows. The skin can be sufficiently a fisterilized by one appl cation of a diluted tracture of sodine but th soap and water cleaning the day previous t operation is still used. In one chaic the beaune sodine solution is used the day previous but in the othe it is omitted to applications of a 5 per ce t dilution 1 part to 3 of 95 alcohol being relied pon One of these solutions is made before the patient takes the anasthetic the next pplied just as the sheet and towels are pla ed The first pplicati n is m de ten minutes before the second a d the latter is made to neutralize any bacteris which may have reached the su face during he excitement stage of anesthesia. There must indeed be great nicety of technique if an at tempt is made to exclude the minute particles of sodine from the wound whi h some writers and teachers ppear to dre d and it also seems to be equally impossible to say that two scalpels are bette and saler than one while making the meason If the first scalp, I used in opening the Lin carries

bacteria with it the second scalpel will surely carry them further

Although much has been read and heard of the absence of bactern within the utenne and cerval canal, and that cultures will not about a growth at taken from the vicinity of the internal on severthe less all of the bacternologists say that bactern are found within the external on and it would appear to be at least prudent to render the entire utenne canal and also the vaguas quite stenle in order that the operation may be done through a sterile field whether a total or a subtotal hysterectomy

The use of sodine within the uterus has many advantages but in the author a clime the slud — 23 per cent of the incture — is not thrown into the uterus with such force as has been recommended when the tubes are injected as there may be a disadvantage in an unnecessary use of a toxic agent

I maily as one of the essential factors in the pretention of morbidity at this clinic they are using a combination of local with general anasthesia ovecatine in 4-nos solution is freely used with either or if the patient appears to require it introus ordio-organ is used. Before the wound is closed the tires and quinase solution is used above each pedick and in the cervite itself in order to prevent pedick and in the cervite itself in order to prevent berofice is often used to prevent abock or great reallessness.

The result of this technique appears to be nearly perfect if the elimination of morbidity may be said to indicate such a desirable consummation. In charts—exhibited by lantern slides—the author aboves a composite temperature range of most of the constraint of the constraint of the constraint of the constraint above noted. One special chart shows a case of either pneumona which recovered easily. Another by companion shows an unfection which occurred in a patient whose cervix could not be reached for injection. The result was a typical infection under the flap. I third shows the constraint of the cons

Frank R T The Clinical Manifestations of Diseases of the Glands of Internal Secretion in Gynecological and Obstetrical Patients IV Am Gynec A: Bostom 19 4 M y By Sung Gynec. & Obst.

The aim of the author is to point out means of standardizing resea ch both chinical and pathological by improved diagnosi and careful study of

The glunds of at raal secretion fall into there groups (1) hym p u dan dareal cortex may stimulate the sexual tract (2) hypophysus and thyrood e-rentally cause hypophysus (3) the panerses and parathyroods apper to play no role of the sexual tractice of the panerses and parathyroods apper to play no role of the sexual tractice of the panerses and parathyroods appear to the panerses and parathyroods appeared to the panerses of the panerses and parathyroods appeared to the panerses of the pan

nal genutals directly and indirectly the development of the secondary sex characters — hair fat breasts pelvis larynx psycho etc

The human ovary is a compound organ composed of follicle apparatus corpus luteum and perhaps the interstitual gland of atretic follicles

A description of the formation of each of these constituents follows Ovulation apparently takes place from x to 14 days after the onset of the menstrual flow the best time for impregnation being immediately after menstruation ceases

Efysiologically the follicle apparatus controls the gradual prepuberty growth of the generals—perhaps assisted by the interstitual gland. The corpus luteum produces the cyclical changes. In pregnancy the products of conception cause a pressing of the corpus luteum and the yellow body prevents further ovulation and provides for middle of the corpus luteum and the yellow body prevents further ovulation and provides for middle of the corpus luteum and provides for middl

The anatomical changes noted in hyperfunctional and hypofunctional conditions of the genitals are then discussed

Chancally only two types appear—the hypofunctional and hyperfunctional Hypofunction locally is shown by splastic genatals, amenorithed dysmenorrhora and sterility Systemically in fantilism enunchodism changes in the secondary sex characters et appear in almost every case Hyperfunction may cause no local change sympser characters are not considered to the continuous constitution of the constitution of the sometimes overfettility competitivities and Systemically the changes are not marked. The disances must include not only the local

and to depoin some include in the condition with examination of nucess tirrets and ovaries when removed but also a functional examination of the thyroid hypophysis adrenal etc. This may require blood examinations X ray tests of suga and adrenals to the condition of a tropine and pilocarpine etc before during and after treatment.

In treatment organotherapy has proved disappointing Ovotherapy may be useful for the vasomotor symptoms resulting from castration. Thyroid at times helps in the amenorrhoa of obesity in a strip vomiting of pregnancy it is of great value. If a Hypophysic ettract has been fulle tried the pitin time iffect is purely a drug one. Any is of value in functional hemogrhages of

puberty adult and preclimatene type if utalignant changes can be excluded. Resection of the ovaries for dynmenorrhoza sterility or tregular bleedings justified only if the abdomen is opened for a more serious cause. Transplantation of the ovary fails to give permanent results. Local uterine treatment is of title value. Systemie hypenic measures are still the best at our disposal.

Geilhorn G Spinal Ansesthesia in Gynecology T im Gy ec Sec Boston 1918 May By Surg Gynec & Obst

The se enty of an operation stands in direct proportion to the amount of ether inhaled. The popular ether drop-method is not as safe a procedure as would appear from existing statistics are incomplete in regard to the number of fatabiles and do not take into consideration late complications which may either lead to death or senously interfere with convalescence There should not be any one routine method but the needs of the individual Case must govern the choice of the mode of anesthesia. In gynecological work spinal anasthesia offers particular advantages and shows most im-Dressive results

The mortality rate from spinal anasthesia cannot be determined by statistics. These too are unreliabl The majority of deaths occurred during the experimental stages of the method. The anas thetic riself seems to have nothing to do with the mortality Stovaine tropococnine and novocaine are more or less equivalent the author's experience

is hunted to the last-named drug

The safety of spinal angethesia depends first and foremost upon its accurat technique and the strictest observance of ven th minutest detail is of paramount importance Reports of death must therefore contain all details of the technique em ployed before they can be admitted to senous con sideration. It has been proven in thousands of cases that by a prinsialing technique not only death but also collapse and other alarming compheations of earlier days, can be avoided successfully

Contrary to the popular belief there is no paychic trauma connected with apinal aurathesia. Nausea an I comiting during operation are reduced to a minimum or are altogether absent The abdominal walls are fully relaxed and the intestines remain quictly within the peritorical cavity. Therefore all operative manipulations are rendered easier and the brusque handling of the viscera is obvisted All this tends to lessen the operative shock, and as nerse impulses do not reach the brain spinal anas thesia is the ideal measure of anoci association. In a certain small percentage analgesia is incomplete then a few whills of other suffice to render the

operation painless

The author in a list of 127 abdominal and 42 vaginal operations shows that all kinds of gyne cological operations including those on the kidney can be performed under sonal anasthesia. There has been no death from the method. In all four patients have died two of these from sepsis after tadical operations for cancer of the cervix

The post-operative care of spinal cases strikingly easy The usual post-operative symptoms annear in greatly mutigated form or are altogether absent Patients who have had personal experience with other and spinsi anxithesis declare themselves in favor of the latter An annoying and compara tively inquest by effect to beadache which how ever yields spontaneously o to broundes and constitutes so danger to the patient Other by effects such as backache paresthesis and tempo-tary paralysis seem to have become less frequent with improvements in technique and it is the outsensus of all observers that lasting ill effects are conspicuously absent Spinal autesthesia markedly lessens the blood pressure and should therefore be used with caution in cases of pronounced hypotension | testonuma occurs after spinal angetheus as well as after inhabition narcosis but exerts no deleterious effect upon the patient it disappears spontaneously about five days after operation.

spontaneously acout are cars near operation.

Spinal anesthesis enables the operation to be carried on with safety on patients in whom other would be contra indicated. It is thus chefly applicable in cases where the seriousness of the affection the magnitude of the operation, or coexisting complications - cardiac and pulmonary lesions, nephritis diabetes hyperthyroidism advanced age debility - constitute a particular risk. Minor operations should be reserved for ether Spinal anasthesia is contra indicated in kyphoscoliosis and other marked anomalies of the spinal column diseases of the central nervous system profound shock or marked hypotension from other causes sepsis and levers of unknown origin furthermore in neuronathic individuals and where there is a strong prejudice against the method. Suppurations and eruptions near the desired site of injection forbid the use of spinal anasthesis until aseptic conditions can be established.

Peterson R. A Critical Review of Five Hundred Published and Lupublished Cases of Abdom inal Caracran Section for Eciampsia. Tr An Grace See B ston, 914 M y
By Surg Gynec & Obst.

Since the 500 cases of abdominal casarean section represent the work of 150 perators they are a very fair index to the present status of the operation as a method of tre ting antepartum eclampsia Also ince the results of operati e obstetrics especially abdominal crearean section are far better at the present time than formerly the value of the operation as a method of treatment of eclamous can only be judged by grouping the cases chronologically

H tween gos nd rots there were as cases of eclampsis treated by abdominal casarean section with 73 deaths or a mat mal mortality of \$5.79 per cent Up to 1908 there were 198 cases with 95 deaths or a mortality of 47 07 per cent. Hence the mat rual mort 11; in the five-year period has

been reduced pea ly one half
The old figures f a 40 r 50 per cent maternal
mortality from abdominal searcan section for eclampsia are incorrect and should no longer be

quoted

Th mortality percentage quoted above 25 % can be considerabl lowered by care in technique and avoiding the use of the suprapub c route when there is great probability that the woman has been injected from below

Nearly one-fifth of the entire series or operations, were performed by thirteen men having five or more cases to their credit with 17 deaths, or a maternal mortality of 1868 per cent Deducting 15 cases where the proportion of moribund and septic patients was very high the remaining 76 cases with to deaths give a maternal mortality of 13 11 per cent

so deaths give a maternat mortainty of 13 13 per cent.
Although an eclamptic may the after a single or
survive after many convulsions, the latter must be
utilized as an indication of the degree of eclamptic
poisoning until a better method has been found of
estimating the patients condition.

Emptying of the uterus either spontaneously or by artiscal means while it quits a stop to the further elaboration of towns from the fortus the placenta or both may not be sufficient to prevent further convulsions or in certain cases death of the mother from intonaction. In other words so great has the properties of the properties of the protained after delivery or death ensues in spite of the relief afforded by emptying the uterus.

In the oresent series convulsions ceased after abnormal casean section in \$51 out of 357 cases or in \$4,000 cases are contained from those made up from those obtained from thousands of cases of echampsia showing that convulsions cease after the emptying of the uterus either spontaneous by or artificially in from \$2\$ to \$6\$ per cent of the cases.

Even when the convulsions cease after delivery a certain proportion of the patients die In 146 cases where the convulsions ceased after abdominal cesarean section during the five-year period (1905-1913) there were 41 deaths of a maternal mortality of 10 8 per cent.

While the above percentage of patients died after emptying the uterus by abdominal casarean section after cessation of the convulsions the mor tality is much less than where the convulsions con time since in 150 of such cases there were 41 deaths or a maternal mortality of 31 53 per cent

The operative treatment of eclampsia has never been given a fair trial Por this the uterus should be emptied quickly as soon as possible after the oast of the first convolution not empired after all kinds of medicinal treatment have been tried and failed

In the present series there were 25 deaths after 124 operations performed after one to five convul 2003 or a maternal mortality of 20 32 per cent

The best results in the operative treatment of echanpsia are bound to follow immediate emptying of the uterus in cases where the woman bas not been infected by frequent vaginal examinations or at tempts at delivery from below. This is shown by the following.

In 60 of the 1 4 cases where the operations were performed after from one to five convulsions where none or only one or two vaginal examinations had been made and where no attempts were made to deliver from below there were only 9 deaths or a maternal mortal by of 15 per cent

The increase a mortality due to delay is shown by a mortality of 10 33 per cent where the operations were performed fiter the sixth convulsion. This is to per cent higher than after quick delivery and five

per cent higher than the total mortality resulting during this same period (1908-1913)

In so cases where the convulsions ceased after operations performed after from one to the convulsions there were 8 deaths or a maternal mortality of 13 33 per term. The mortality is twice as high as 92 per cent after operations performed under the same conditions except that the convulsions continued

When the abdominal casarean actions were performed after more than five convolsions there was a resulting mortality of 36 33 per cent where there was cassation of the convolsions and 36 36 ner cent where they continued.

The average number of convulsions in 386 cases of eclampsia in the abdominal casarean series was 9 where the cases were not grouped. The average

was to up to 1908 and 8 from 1908-1913
Thus occurred 21 times in 500 cases of adominal
casarean section for eclampsia or in 402 per cent
of the cases This is over three times as frequent

of the cases This is over three times as frequent as are twins in normal cases

Excluding premature children and counting all

children as farms who surraved one hour after delivery there were 9 deaths from 2008 to 1913 where 248 children were delivered by abdominal cessatean section or a featl mortality of 36 per cent. Under the same conditions the fortal mortality was 10 60 per cent it children dying the fart three days after delivery were counted among the deaths at most of the condition of the condition of the time mit here in by any other method of treat ing eclampida the fortal mortality by the method, it The fortus as well as the mother is affected by the

In fection as we had to a monther is sincered by the clampiut poson. The greater the number of the eclampiut poson is the most possible that the discrept the control of the feture for the feture of the feture is not the feture the uters about the employed as soon as possible after the first convulsion. If other faction in the case call for abdominal cesstrean section the chances of the fectus will be much better than if another method of delivery be employed.

In 474 cases of eclampsia in the present sense \$1,75 per cent were primapare and 16 7,7 per cent multipare. The relatively larger proportion of primapare was due to the fact that primaparous cond tions such as undilated and rigid cervax and nightly of the soft parts more often called for the abdominal operation than for other methods of delivery.

The maternal mortality is higher after abdominal casarran section in multiparous women than is the case with principarous eclamptics. In the present senes in 925 primpare the maternal mortality was 24 44 per cent while in 48 multiparts the mortality was 27 05 per cent

The fortal as well as the maternal mortality is higher in multipare after abdominal exsurean section. This is probably due to the greater degree of interaction among the multipare since in both primipars and multipare the children, because of the nature of the operation employed escape the

popular ether drop-method is not as safe a procedure as would appear from existing statistics. The latter are incomplete in regard to the number of fatalities and do not take into consideration late complications which may either lead to death or seriously interfere with convalescence. There should not be any one routine method but the needs of the individual case must govern the choice of the mode of anasthesia. In gynecological work spinal anasthesia offers particular advantages and shows most im pressure results

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The post-operative cure of spinal cases strikingly easy The usual post-operative symptoms appear in greatly mitigated form or are altogether absent Patients who ha e had personal experience with ether and spinal anasthesia declare themselves in favor of the latter. An annoying and compara-tively frequent by-effect is headsche which how ever yields apportaneously or to bromudes, and constitutes no danger to the patient. Other by effects such as backache paresthesia, and tempo-rary paralysis seem to have become less frequent with improvements in technique and it is the con

sensus of all observers that lasting ill effects are conspicuously absent. Spinal angethesis markedly lessens the blood pressure and should therefore be used with caution in cases of pronounced hypotension Acetonuria occurs after spinal anguib as well as after inhalation parcosis but exerts no deleterious effect upon the patient it disappears anontaneously about five days after operation.

Sploal anasthesis enables the operation to be carried on with safety on patients in whom ether would be contra undicated It is thus chiefly applicable in cases where the senousness of the affection the magnitude of the operation, or coevisting complications - cardiac and pulmonary lesions, nephritis diabetes hyperthyroidism, ad vanced age debulty - constitute a particular risk. Minor operations should be reserved for ether narcous Spinal agasthesia is contra indicated in Lyphoscoliosis and other marked anomalics of the spinal column diseases of the central nervous system profound shock or marked hypotension from other causes seems and fevers of unknown origin furthermore in neuronathic individuals and w there is a strong prejudice against the method Suppurations and eruptions near the desired site of injection forb d the use of spinal angethesia until asentic conditions can be established

Peterson R.: A Critical Review of Fire II name Published and Unp bli hed Cases of Abdom In I Caracrem Section for Eclampsia. 7 Am Gynes Soc Boston 9 4 M y

By Surg Gynes & Obst.

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Between 1908 and 1913 there were 183 cases of eclampsia treated by abdominal casarean section with 73 deaths or a maternal mortality of 2579 per cent Up to 1908 there were 198 cases 1th 93 deaths or mortality of 47 or per cent Hence the maternal mortality in the hie-year period has been reduced nes ly one-half

The old figures of a 40 or 50 per cent maternal mortality from belominal casarean section for eclampais are incorrect and should no longer be

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The mortal ty percentage quoted above \$5.79, can be considerably lowered by care in technique and avoiding the use of the suprapulic route when there is great probability that the woman has been infected from below

Nearly one fifth of the attre series, or operations were performed by thirteen men having five or more cases to their cred t with 17 deaths o a maternal mortality of 8 68 pe cent Deducting 15 cases pubically and transurethrally many times and proposes a simple treatment of injection of Bulgarian bacilli directly into the bladder in such cases

The patient was a young woman who since the birth of her last child four years previous had had a termice cystits with a constant profuse hematura accompanied by the passage of many bits of calca reous maternal. She suffered for several years an increased frequency of urnation amounting to every fifteen minutes day and might. There was the profuse of the profuse o

was not reheved by the operation The patient appeared at the Washington Um versity Hospital May 1913 suffering from the symptoms described above. Her general examination was negative except for the angenia and loss of weight heart and lungs negative abdominal examination negative wine bloody and alkaline Cystoscopic examination showed the bladder capacity to be 150 ccm. The cystoscope showed a general intense acute cystitis Over the trigone and bladder base were seven irregular projections covered with a s lvery white deposit with irregular surfaces which were downy. They were fixed to the bladde wall and only the superficial downy part could be moved about Around the base of the tumor was an intense hyperzemia with bleeding snots There was n annular band of the nerusted material around the internal ornice of the bladder neither urcteral onfice was visible. The unne was

negative for tuberde bacilit. It was thought that the disease was incrusted bladder tumor. Repeated local treatments with many high irrequency sparia produced no improvement. A specimen of the tumor like mass removed with an operating cystoscope and examined path oligically showed it to be composed of two zones a supper zone of incrente tissue in which were in which were in the contract of the c

careous deposits S prapub c cystotomy was performed bladder was thoroughly curetted and the tumors excused with knile and scussors and the whole interior of the bladder treated with high frequency sparks The opening was closed eatheter drainage be ng done through th urethra Within two weeks the cystoscope showed the identical picture as before A recurrence of the tumor like masses and incrustations. The patient was then curetted through the urethra many times and a few days after each curettage the same picture had recurred Frammation of the m terral showed it to be composed of calcium phosphate triple phosphates and ammonium urate. Urine was highly alkaline with a proteus infection \ treatment was given of

boric acid irrigations acid sodium phosphate and urotropine in large doses The attempt was then made to change the chemical reaction of the urine by putting acid directly into the bladder. It was thought that acids themselves gave no effect on account of the frequent evacuations of the bladder The author then injected Bulgarian bacilli with the hope of having some remain in the bladder between the urinary acts to grow and to kill off the original inhabitants This was very quickly accomplished Within forty-eight hours the patient showed im provement She was given daily injections of three tablets containing six thousand bacteria each every other day for ten days Within forty-eight hours she began to pass off large quantities of this cal careous material

Six days after the institution of the treatment cyatoscopic examination showed instead of the incrustation and tumor masses multiple ulcars At this time the untertal onfices could be easily seen and cathetenised there was no renal infection. The days after the first treatment the patient a urne was highly acid but cloudy and she was able to sleep five hours at might. At this time one bichloride irrigation was sufficient to bill off the Bulgarian growth and the urne became clear still remaining acid and has continued so up to the preșent time over two months since the first treat ment. There is at present no vestige of previous truple within the bladder. The urne is clear and sparking. The patient has gained a great deal în weight and is having absolutely no urnary distress.

The author takes up various phases of incrusted alkaline cystitis giving the various theories arriv ing at no definite conclusions as to the pathogenesis but remarks that the combination of injection necrosis and supersaturation seem the most important factors He gives a description of the two main types of incrusted cystitis namely the flat and the tumor like showing that the lesion is most commonly located on the trigone and internal onfice associated with a general acute cystism with marked hamorrhage The most distinguishing pathological characteristic is its marked tendency to recur He states that there is nothing important in the symptomatology except that the symptoms exemplify an intense cystitis and are characterized by the passage of stony material

the important diagnostic points are that the The important diagnostic points are that the Congress of the Cong

traumatisms of labor The greater intoxication among the multiparte is probably due to their being on the average older than the promparat the average of the former in 77 cases being 12 6 years while the

average age of the latter in 197 cases was 24 6 years. The maternal mortality in eclampsia after ab dominal exsarean section steadily increases with the age of the natients it being 23 63 per cent between the ages of 16 and 20 and 31 11 per cent between the

ages of 3x and 35 The number of eclamptic cases in the present

series steadily increased from the fifth month of gestation up to full term also the farther advanced the pregnancy the lower the maternal mortality Unless the asentic technique employed in at

tempts to deliver from below be known abdominal caesarean section is contra indicated so great are the dangers of fatal perstonitis when the patient

is infected

86

The high death rate of abdominal crearests section after operative procedures is shown by the fact that there were so deaths in 29 such cases, or a maternal mortal ty of 34 48 per cent. This 9 per cent increase in mortality over the total mortality as 70 per cent during the same period was undoubt edly due to sensus shock, and delay in emptying the

uterus The mortality is distinctly higher after abd minal co-sarean section in eclampsia if vaginal examina

tions have been made prior to the operations. The danger increases directly with the number of

examinations made and the lack of asepsis employed Any obstetne cond tion which makes delivery by the natural passages prolonged and difficult may he an indication for abdominal casarean section in eclampsia If delivery be decided upon the items should be emptied by the method which will perform the work the quickest and with the least trauma and shock to mother and child However it must be borne in mind that there is more danger of sepsis when the pentonesl cavity is opened

With the present state of our knowledge of this operation for eclampaia it cannot be denied that older and more tried methods of emptying the uterus in eclampsia give better results in eclamptics with normal pelves and soft parts hence should not be lightly discarded in favor of the more brilliant and

more easily performed abdoms al operation But with a maternal mortality after abdominal casarean section of 18 68 per cent in 191 cases of eclampsia in one senes 13 73 per cent in 76 cases in another and 15 per cent in 60 cases where the uterus was emptied after a few convulsions, the peration under consideration has reached a stage where it can no longer be disregarded by obstetncians who have based their opposition to the procedure upon statistics which were altogether too hezh

AMERICAN ASSN GENITO-URINARY SURGEONS

Merting Hild at Stockbridge May 15-16 1014

Keyes E. L. and Mohan H The Pathogenesis of Renal Lesions from Pyelography T Am. As G U S recens Stockbadge 9 4 M y By Surg Gyner & Obet

Keves and Mohan have compared the lesions found in kidneys whose parenchyma shows infiltration as result of pyelography with the same lesion experimentally produced upon dogs. They con

ciude r Momentary distention of the normal kidney pelvis doubtless causes no more damage than a con gestion of the organ which to gestion is doubtless

of brief duration 2 But if the pressure is kept up there is as Zachrisson suggested an absorption of the injected fined into the blood vessels and lymph spaces about

the kidney pelvis 3 Although like Zachruson, the authors have been unable to detect any collargol forced into the collecting tubules nevertheless they have found collargol in the glomeruh and in the convoluted tubules.

But masmuch as there was much less collargol within the glomerul; and tubules than in the lymph

spaces and vessels they conclude the appearance of the collargol within the glomeruh and tubules is a secretory phenomenon

5 In actual practice however a secondary in filtration due to renal retention following the examination must be considered 6 This second ry distention is of far greater im

portance than the primary retention at the time of i jection 7 Secondary retention is the cause of the deaths

that have been reported from pyelography 8 It is probable th t the mechanism of infilim-

t on in these cases is the same as that of primary retention in normal kidneys o Al rining symptoms following py lography

are to be releved by immediate drainage of the kidney or by nephrectomy Caulk, J. R. Incrusted Cyclifs. Tr Am Ats. G. U. Surgeons Stockbridge 19 4. May By Surg. Gynec, & Obst.

The author reports an interesting case of a 16-

current incrusted cystitis occurring a all-aline rine in a patient who had been operated in both supraPedersen J An Unusual Case of Prostatic Car cinoma Originating Apparently in the Subcervical Glands T Am Ast G U S peast Stockbadge 1914 May By Surg Gyner. & Obst.

1 forty seven year-old man of good physique guidenly developed hematinn and frequency quantion. Cystoscopy showed a large mass over lying the trapon. Transpersionael cystotomy (October 30 1913) thoroughly exposed the mass it was found to consist of two almost symmetrical halves their inner surfaces in contact the respective precises springing from points proximal to the internal sphineter. The two masses and those portions of the prostate from which they spring were removed. Convoluences was unevenful! Bladder function as a restored to prefixe tally portual administrations. The pathological examination proved the growth of the execution.

Gibson C. L. The Advantages of a Low Table and Other Points in the Treinique of Suprapuble Prostatectomy T Am Ass G U S geoms Stockbudge 1914 May By Surg Gynec & Obst.

The low table position means that the patient lies ato n his back, on a table so low that the operator has actually to lean over when enucleating the prostate there hearn on ferson at the elbow point. By this maneuver a part of the operators weight is actually used to depress the shodominal wail and allows the full use of the entire force of the fingers an emideating the prostate. This position is of par tiredars advantage in using gas-coygen austithesia as well as the state of the

It is of great importance to provide for free drain age and prevent the formation of clots The drain age 15 best performed by using a short tube rubber or the special tube of Keny on with an interior diam eter of at least an inch Then some form of suction apparatus which can be improvised by a simple attachment to a bathtub or other faucet is applied at once as soon as the patient is returned to bed which should be done with all possible dispatch The wound is thus kept absolutely dry no clots form and there is I ttle opportunity for infection to the space of Retzius The large tube; remo ed in three to fived 3s A small suction catheter s then allowed to rest just with n the los of the bladder wound which will tend to close ery rapidly the patient is kept perfectly comfortable and dry With a little man gement the suction apparatus can be applied when the patient sits up n a chair

Chute A. L.: Some Things that Influence the Mortality aft r Pro tatect my T Am Au G U S rgom Stockbedge 9 4 May By Surg Gynec, & Obst

The author based his concl sions largely on a series of \$3 consecutive prostatectomics with but a

single death He felt that this was an average series of cases and the application of the same methods should give practically the same mortality in other series

"His conclu ion was that the danger in prostate tomy he almost wholly in the renal condition. There are two rend conditions that may endanger the life of the patient who is about to submit to prostatectomy. The first is renal suppuration pelonephints combined with back pressure due to a residual the other and especially dangerous condition in that where there is a chromacilly over distended bladder with a non infected urine. Many of these patients are in condition where an ull-considered anesthetic will cause their kidneys to shirt down and they due in from two to five days of symptoms easy to attribute to shock harmorrhage and the submitted of the conditions of the present the submitted of the conditions of the present the submitted of the conditions of the present the reasons for believing that hermorrhage plays but a small part in this metallicities.

fligh mortality following prostatectomy is to be avoided first by getting kidneys that are not doing their work into a condition where they are acting efficiently second by avoiding injury to embar rassed or susceptible kidneys at the time of operation The first is accomplished by preliminary drainage either by means of an inlying catheter or a prelimi nary suprapubic drainage the second by substitut ing local spinal anasthesia with novocaine for the use of ether The question of mortality hinges almost wholly upon the functioning of the Lidneys The task of getting them into condition must be accomplished before operation For the most part the question of recovery which depends upon the renal function is settled before a patient undergoes the operation

Cumningham Jr J H The Operative Treatment of Carcinoma of the Penis Tr Am Art G U S geom Stockbudge 19 4 M y By Surg Gynec & Obst.

The author emphasuses the importance of dealing adically with carcinoma of the penus and describes the author's method of operation. As a special coasia factor in this disease plimous is mentioned and to substantiate this view the rare occurrence of the disease by contact with a cancerous cerve the disease by contact with a cancerous cerve the disease by contact with a cancerous cerve of the disease by contact with a cancerous cerve of the disease of the warts and the development of the disease on the warts and the syphilitic chancers is mentioned.

The pathology of the subject is considered.

Special reference is an activate in considered.

Special reference is not a superior of the metastaxes and the lymphatic system cuts of the metastaxes and the lymphatic system can be a second of the metastaxes occur early—in the inguisal glands—are usually butaceral and that the deep group of inguinal nodes occupy in ghe crural canal which often continuous and in consecuration from these nodes that recurrence become manifer from these nodes that recurrences become manifer from these nodes that

a more thorough inspection of the bladder is possible and permitting wreter catheterization in order

to examine the upper tract

The authors aim is to call the attention of the profes ion to the treatment who his recommends lie takes up the direct ion of the usual treatments which have been employed; und as the pallinitie, constiting of irraptions mutilitions and internal medications which his produced no lessing effects or curvative results and the suspecial uprapulor, no loverscal and in rate intak crest vertice-rangen! I and if there operations there has been either and in the control of th

Correctage through the methra has been the most commonly accepted method but the one which seem to offer the best results it as been suprapulous excision of the tumor masses with closure of the mucous membrine. In the author's case all of these in those wire employed with the racept in of the suture of the mucous membrine after exec; in and all of their erichois were promptly followed by a complete recurrence within forty-eith thours. After injection of the Bulg, run but all in which he bis in the property of the suprementation of the suprement

The author resinces that the profes in his looked upon this treatment with keptics m but hipes that fin such cases it will be given a chance. It is a problem of a bicterial battle in which on species of lact its outro. the other and in this case the lactic acid bacili overwhelmed in proteins.

The paper is concluded by a w experiments which attempt to how the harmles need the Bulgarian brieflit to the bladder murous membrane. The bladders of several animals were injected with these bacilli and in no case was there any mithium tory change in the bladder murous membrane e en after it had been traumatued.

parney J D: Observations on the Seminal Vedcles. T Aw At G L S y Sorbidge 1914 M y By S rg Grace. & Ubst The author briefly reviews the work done in others above executive tall and clared here which has

thrown haht upon the physiology and histol gy of the seminal vesicle. He then describes some i his

on a work on the sem nal eucl

The presence of elastic tissue has been ab wn in normal and pathological spec mens. Normally, it is relatively large in an unit situated almost wholly in the chapter of the propositions into the vall of the gland cavaties and in the normal cases he been seen in mineral and the propositions into the vall of the gland cavaties and in the normal cases he been seen in mineral large with the proposition of the proposition of the proposition of the present o

A careful study of the connective tissue of the seminal exicle shows it to be present not only in health but also in disease. In infants it is relatively

scant) its location corresponding pretty closely with the elastic fibers. In the normal adult sends

its presence as well marked

Infection of the seminal vestile scena to readinvariably in the deposit of very large amounts of connective tissue which not only produces alrophy of the muscular bundles, but to connection distorts obliterates or distensive to the connection distorts obliterates or distensive the most above that this fibrous it sue not only best within businesses of the servined vestiles to that they are miscular of the servined vestiles to the they are miscular of makes their palaption by rectal examination of ficult in certain cases and the rescition sometimes almost impose ble

impose the

The author has further demonstrated the presence
of large numbers on an impathetic nerve fibers in the
neric estular tissues an observation which does

hot seem to have been made by others. Breterological investigations have thus far shown to contents of the seminal sessele to be steeled which i contrary to the findings of others. On the other hand a careful investigation in one case of the schemal section is content of the wall of the seminal section in the seminal section of the seminal section is seen to be seen to b

In a case in which orchidectomy had been per formed some years previously the sem all vanile on that side was found to have disappeared entirely an observ too which grees with the of other writers O to other hand no accessor undeconsided tests I the orresponding seminal vesicle was found to be normal; size and in the sam condition

of lac ar as a fellow

I search for the pyrocheta pall dain two autopsy specim as I niant dying of congenital stphile has filed thus f r to find the rgan sm The author has done a con ler ble am unt of ork in injection of the semenal es el with colleged both in the living an i the dead Radiograms of these injected organs her mai cases the contour fithe gland ula 1916) ers i t ctly In add ton t th the I ra has reval i the pres nor not only in the sem nul cach but a the ampulla of the ves of numerou ad mpl ted divert cul In pathologcal per me the ad ogram has shown a market cha ge n ppe ir n e from th normal the dil ted cavities o il pi go anuther has made a picture which I not be m tak a a I the contrast is so striking th t th utho belt es that by this method th dagnosis in do hill cases can be of inject mad clear

It the auth r belief not conformed as yet that n exo of su thirs the protect is quite as extense ely in 1 d a lact which would existent in part some of the poor results of operations for drain g or excess (if the sense is each above every material excess a lact of the sense is except material except and a unior truspled convaluement, but exacerbate or irrela infections of joints bitherto quiescent.

MacVillan J A.: The Technique of the Perineal Operation for Extirpation of the Rectum. T Am Protel Sec Atlante City 1014 June By Surg Gynec. & Obst.

The most important part of the preparatory treatment is a colostomy which should be done one week before the radical operation. The radical operation may be divided into four stages.

operation may be deviced into four stages.

I After thorough dilatation of the splancters an incision should be made at the miscocitaneous junction and the bowel dissected from the sur rounding tissue. The can be done without destroy line the use of the extrans splancter. The first stage of the operation includes the control of the operation includes the surface of the operation includes the surface of the operation includes the surface of the surface

2 The fibers of the levator am may be readily duded by passing a blunt hook above a bundle of them and drawing downward on the hook. This procedure is repeated until the muscle is completely severed. When this is completed the hamorrhage should again be controlled and a thorough examination mide of the motility of the bowel and the extent of the disease.

3 The pentoneum may be entered by a blunt matrument and separated anternorly and laterally from the bowel leaving the mesongmond as the only attachment should it be necessary to divide this, care must be taken to preserve circulation. If the meanetry be severed remotely from the bowel wall the arternal supply will be assured.

4 The fourth stage consists of the excision of the diseased portion of the bowel suturing of the distal end of the remaining bowel to the skin and the provision of adequate gauze drainage posteriorly

IIIII T C. Anal and Rectal Growths of Benign or Doubtful Character T 4m Proc See Atlantic City 19 4 June By Surg Gynec & Obst.

Il Il states that in a personal series of 3 000 rectal access per soulsy reported there were 40 beings and 50 milignant growths if the rectum. The Isrge majority of these tumors were characters the and the differe that diagnosis was eas by made. Still a few mail grain growths ween an ea by stage, and in some u u u beings types associated with ulcera on a well as an some of the periorect is shoceased to me as well as an some of the periorect is shoceased were of such an united when the sacre were of such an united in the sacre direction of the perior of such as a such as the sacre direction of the perior of the sacre direction of the sa

The smi emphasured th fa that the operate emeas rest to mply sed differ rad cally in each of these conduit in a Am cut onto the rit time is necessary for the mul gn at cases a mple loc 1 c i on is all that is requested for the being a growth where as into in on time age wall use of ir the because and fitular. Therefore a doubtful case c in it be furtared as her is sen with an accordance amount attention for a be gn growth may be just need. In the case of the rectum there we not only multiple to

a high mortality and a enous impairment of function as well to be considered. Furthermore the removal of a specimen of a suspected tumor is not now approved and this complicates the problem still more.

The histories of several cases which illustrate the doubtful nature of some borderline conditions occa sionally found in the rectum are cited. They tend to show that aside from benign growths, some of which have many of the characteristics of malig nancy there are certain abscesses which develop in the loose cellular tissue of the retrorectal and polyi rectal spaces which are even more so These in durated irregular swellings bulging into the rectal ampullæ at first resemble very closely the sensation imparted to the finger in malignancy A little later they become soft and boggy and fluctuation is per ceptible when all doubt as to their nature is removed The sinus from an old fistulæ occupying these same spaces is ant to be much more perplexing than an abscess As the slow suppurative process goes on the rectal wall is crowded into the lumen of the bowel and assumes an irregular indurated outline which is very suggestive of cancer Other conditions of similar doubtful character such as gummatous growths and tubercular ulceration are also discussed

Yeomans F C. Coccygodynia; a New Method of Treatment by Injections of Alcohol Tr Am Proced Soc., Atlantic City 1914, J ne By Surg Gynec. & Obst

By Surg Gynec. & Obst Sumpson of Edinburgh first described the disease

as a definite entity and gave it the name of coccy, go dynia in 1859. The main etiological factors are trauma exposure to damp and cold toxrima and functional and organic diseases of the central nervous system as hysteria or tabes dorsalis. It usually occurs in women

The symptom is a characteristic spasmod c aching pain in the region of the coccyx which is increased by sitting or rising and at times by urination or defecation. Pain may be localized or radiated to the

bladder or permeum

The d agnoss is established by a thorough exannation both general and local. The former
includes particularly the nervous system and spinal
column in some the uterus and a linexa and in
men the prostate seminal ves cles and urethra
Local examination is made by inserting the index
finger into the rectum and palpating the coccys
between it and the thumb out id: The position
contour mobility and tenderness of the occys are
then determined the sole parts intervening be
then determined the sole parts intervening the
sole of the sole of the sole of the occys and
the point of maximum tendernoor compressed and
the point of maximum tendernoor compressed and
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i fisumation of the crypts of Vorgani betting
internal instula
forg mo books a pretriophical anal papille and
forg mo books a Pretriophical anal papille and
forg mo books.

Th prognos hitherto has been better in the traumatic ses th n in those of frank neuralgia or

It is pointed out that the metastaus in carcinoms of the pens it shee place along the furnishts chan nels of the pens its the superficial nodes that these nodes anestanose with the deep inguinal group, and these in turn ansatamose with the ilian nodes within the pelus by way of the cruid canal It is also abown that the lymphatics of the ureflar, may carry metastasses wa a lymphatic channel which passes over the symphysis to the pelvic nodes without growth has involved the ureflar nodes when the growth has involved the ureflar.

The operative steps are illustrated and the description is as follows

I A condom is placed over the penis to prevent implantation of cancer-cells during the operation.

2 A sweeping U-shaped incision is made begin mug slightly above and to the inner side of the auterior superior spine on one side downward in the fold of the groun to the root of the pens and upward on the other add. This incision, which passes just through the skin outlines an apron which is dissected upward.

3 An incision just passing through the skin is made downward ver Scarpa s triangle from the center of Poupart's ligament. The skin is dissected inward and outward making two flaps.

a. Reguning at the top of the dodominal in a Reguning at the top of the dodominal in a Reguning at the top of the dodominal facts and the second of the seco

fascia is divided if necessary to continue the dissection into the crural canal. If the mass is not on, tinuous from the superficial to the deep nodes, the fascia lata is divided and the deep nodes freed from the femoral vessels and removed.

5 The patient is then placed in the lithotomy position An incision is then begun at the root of the penis passing around both sides uniting be neath and continuing along the raphie of the scro-tum, bisecting it. The suspensory ligament is divided and the dorsal vessels of the penis secured The penis with the attached fat mass from the abdomen and groups is drawn downward. The dissection is carried on until the attachment of the crure to the pubic ram; is met These are clamped close to the bone and cut away. The stump is transfixed and tied and no hamorrhage results. It is necessary to clamp, transfix and tie for the arteries to the crure may otherwise retract and cause troublesome harmorrhage. The corpus spon grosum is freed at a distance of about three-quarters of an inch in front of the bulb and cut across at this point unless the membraneous arethra seems sufficiently long It is better to leave too much than too little urethra. The whole mass the abdominal and inguinal fat containing lymphatics and nodes the pens and the crure are then removed in one mass

The cut end of the urethra is then stretched to the lower part of the penneal incuson and a self contaming catheter placed through the urethra i to the bladder. A drain is placed in the penneal about the urethra also in the wound of the abdominal skin spron on either side and both in the incusion and in Scarps i transfe.

7 The manne of suturing the scrotum whereby it is lifted upward is important so that it will not become soiled by urine

become solled by unne

The author's operative results and those from the
literature are considered followed by case reports
and a b bhography

AMERICAN PROCTOLOGIC SOCIETY

Meeting Held at Atlantic City June 22 23 1914

Holding, A. F Pseudo-Intestinal Stasis and Real Intestinal Stasis, Dem natrated Rongenologi cally T im Proc Soc Alla tic City of a June By S 12 Gynec & Obst.

Holong called attention to many anomalies of steern position and progress of the binnith metabolish and been interpreted as pathological and which were really physiological or antionical and completely compatible with health laying stress upon the fact that the learn enter the excess normally at an angle and unless suscessed with proximal date (on, a diagnossis of laws skink is not justified.

H mphasured the point it is delayed progress of besimith meals in one significant of obstruction unless i a more than 6 hours behind the normal schedul and associated with marked distension of the viscus prior mail to the focus of charged the point of the property of th

MacMillan J A The Technique of the Perincal Operation for Entirpation of the Rectum T Am P setal See Atlantic City 1914 J ne By Surg Gyner, & Obst.

The most important part of the preparatory treatment is a colostomy which should be done one week before the radical operation. The radical operation may be divided into four stages.

1) After thorough distation of the sphincters an lession should be made at the murcutianous muritiments and lession should be made at the murcutianous prounding fuscular has been a second to the sar rounding tissue. This can be done without destroying the use of the external sphincter. The first days for the lession of all the office of the second second the lession of the lession of the lession of the lession of the first stage should be thoroughly completed and the harmorrhage controlled with Dressur.

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IIII T C: Anal and Rectal Growths of Benign or Doubtful Cl aracter T in I roc Soc Atla to C:) 914 June By 5 r Gyace & Obst.

Hell tates that in a personal series of 3 000 rectal acrease per soulsy ported there were 40 benign and 26 mal grant growths of the rectum. The large majority I these tumors were characters the and the differential disposes was easly made. Still at wm if a range growth were an early stage and in some unu sud bein an types associated with ulcera and some unu sud bein an types associated with ulcera and first the located above the perfect all species and first the located above the sum of the case of such an unusu! I nature that the easier lagnos was pri a ally determined.

The writ mph ed th fact that the operative reasons are matters to be ruly yeld offer rade ally reached these continuous many and the recent time to make the continuous many that the sample locaters so in 11 that ten entire the beausa growth where six coin oil age will sure of rithe alenceses and fulse Therefore a doubtful case continued to the sample of the alenceses and fulse Therefore a doubtful case continued to the sample of the

a high mortality and a serious impairment of function as well to be considered. Furthermore the removal of a specimen of a suspected tumor is not now approved and this complicates the problem still more.

still more The histories of several cases which illustrate the doubtful nature of some borderline conditions occa sionally found in the rectum are cited. They tend to show that aside from benign growths some of which have many of the characteristics of malie nancy there are certain abscesses which develop in the loose cellular tissue of the retrorectal and pelvi rectal spaces which are even more so These in durated irregular swellings bulging into the rectal ampulize at first resemble very closely the sensation imparted to the finger in malignancy A little later they become soft and boggy and fluctuation is per centible when all doubt as to their nature is removed The sinus from an old fistulæ occupying these same spaces is apt to be much more perplexing than an abscess As the slow suppurative process goes on the rectal wall is crowded into the lumen of the bowel and assumes an irregular indurated outline which is very suggestive of cancer Other conditions of similar doubtful character such as gummatous growths and tubercular ulceration are also discussed

Yeomana, F. C.: Coccygodynia a New Method of Treatment by Injections of Alcohol T Am Proctol Soc Atlantic City 1014 June By S vg Gynec. & Obst

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The symptom is a characteristic spasmodic aching pain in the region of the cocc. which is increased by aiting or rising and at times by unnation or defection. Tain may be localized or radiated to the bladter or rerinsum.

The diagnos s is estall shed by a thorough examination both general and local. The former includes particularly the nervous system and spinal column in women the uterus an I adness and in men the prost te seminal vesicles and urethra Local ximi ation is made by inserting the index fager into the rectum and palpating the coccas between it and the thumb out the The position contour mobility and in letness of the coccys are thus dit emired. The soft parts intercening be tween the coccyx and anus are now compressed and th por t of m ximum ten lerness is thus locate ! usually just be on I the top of the coccas Careful exam to is made I the anna t xclude fissure, inflammation of the crypts of Morgagni bland i ternal fi tula hypertroplied anal papeller and fore gn la fies I roctoscopy rules out rectitis

The progress batherto has been better in the traum to cases then in those of flank neurals a or

neutrits. The writer confidently predicts that the treatment proposed will render the latter equally

amenable to treatment.

02

The methods of treatment that have been employed with varying results lockide local applications, electricity subcutaneous divisions of the muscles and kagments attached to the sides and up of the occyx (Sungson) and finally resection or excession of the occyx (Sungson) and finally resection or nare cases where the abandoned except in those rare cases where the occyx itself is diseased or deformed. The petro floor was breakmed and the deformed. The petro floor was breakmed and the rested on the except proper while in fact we are dealing in the occyx proper while in fact we are dealing in sone cases with a neuralize and in others a neuritar

of the coccygeal plexus or nerves

The writer proposes a treatment based on the
suggestion of Schlosser in 1907 of injecting a to 80
per cent alcohol in sensory nerves, thereby causing
their degeneration as practiced with marked success

in trilacial neuralgia

The technique is simple and can be carried out in

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neuritis. The writer confidently predicts that the treatment proposed will render the latter equally amenable to treatment

The methods of treatment that have been em ployed with varying results include local applications, electricity subcutaneous divisions of the muscles and ligaments attached to the sides and tip of the coccyx (Simpson) and finally resection or excision of the coccyx (Tillaux, 1885) The latter has fortunately been abandoned, except in those rare cases where the coccyx itself is diseased or deformed The pelvic floor was weakened and the pain not reheved. These therapeutic methods rested on the erroneous idea that the pain resided in the coccyx proper while in fact we are dealing in some cases with a neuralgia and in others a neuritis

of the coccygeal plexus or nerves. The writer proposes a treatment based on the suggestion of Schlosser in 1907 of injecting 70 to 80 per cent alcohol in sensory nerves thereby causing their degeneration as practiced with marked success

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AUGUST 1914

MONTHLY COLLECTIVE REVIEW

CRITICAL REVIEW OF THE LITERATURE ON THE PROBLEM
OF GENERAL ANÆSTHESIA

By WALTER M BOOTHBY A. M M. D BOSTON
Lecture on Assethma in the Harring Medical School

CHLOROFORM - DOSIMETRIC METHOD

THE last (1911) report of the Special Chloroform Commuttee of the British Medical
Association (1) is one of great value as
theren are collected many important papers
covering the great amount of experimental work
on the dangers of chloroform anasthesis so carefully investigated by the English school The
work of this committee was especially directed to
tetermaning the upper limit of safety for the
administration of chloroform vapor

The ultimate conclusions at which the com mittee has arrived with regard to the dosage of chloroform may be summed up as follows

- That a one per cent vapor is generally insufficient to induce surgical anisathesia in an adult at all events within the limits of time ordinarily available
- 2 That a two per cent vapor of chloroform in air is sufficient to induce full surgical anasthesia
- depayed blood states some diatheses grave pathological states the safety dose or percentage is below two per cent and must be determined in each case
- 4 That the dosage for the maintenance is of as much importance as that of the induction per iod and the neglect in recognizing this has caused many deaths and constantly delays convalescence
- 5 That no definite limit of safety can be fixed for this close but that it is in most cases one per

cent at first and must be lowered as time goes on (2)

Since the appearance of this report the clinical study has been continued by the secretary of the committee Dudly W Buxton In a paper read before the International Congress of Medicine Buxton argues very strongly for an exclusive use of the dosimetric method of chloroform anasthesia. He says in part. Clinical experience supports the experimental results of Sherrington Sowton and others that whereas the organism can be taught to tolerate even relatively high percentage vapors if the strength is gradually reached yet a sudden use at the commencement of an inhalation of such a strength results in collapse and probably death When we are working out the physiological action of a new drug we use the utmost care to measure the strength employed. When our results are standardized we employ such and such a strength per kilo of body weight and know that we shall in every case insure a certain result which we anticipate In the case of chloroform we have now standardized for the normal person that a strength of vapor somewhere about two per cent (by volume) will induce anaethesia that less will only cause sleep while a greater strength will lessen the activities of respiration and circulation and may at any moment cause cessation of breath ing and heart standstill. And yet the methods most generally employed provide no means by which the administrator can even know the strength of vapor-that is the dose per kilo-he is

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to an air tight ma k and face-piece such as is used in gas-oxygen-ether anaisthesia

The accuracy of the Connell apparatus as a very great as has been shown by Boothby and Sandi ford (17). It certainly does not vary more than 3 mm. from the theoretical tension as shown by their experiments in which the tension delivered by the Connell apparatus was controlled by passing the delivered myture through a Waller gas balance.

As there are three ways of stating the propor tion of ether or other gas present in a mixture and as confu ion occurs if one is not on guard to distinguing the forms one from the other it is necessary to refer to this in some detail

1 The proportion of other may be expressed as percentage by weight that is 15 per cent by weight of other and 85 per cent by weight of air there is no justification for the use of this method

2 Or the same dosage can be expressed in per cent by volume that is 6 38 per cent by volume of either vapor and 93 62 per cent by volume of air both of course at the same temperature and pressure Percentage by volume is the method usually adopted by the pharmacologists

3 Or finally it can be expressed in millimeters of mercury representing a fraction of the barometric pressure. For instance with a barometer of 760 mm the volume per cent of 6.38 would mean 60 × 6.58 – 48 5 mm. On the other hand,

at Colorado Springs, with a harometer of 650 mm a volume per ent of 65,8 noul gave a territon of only 40 z mm —a ten ion not sufficiently strong to keep the patient anesthetized. As the volatile anesthetizes obey the well known gas laws and form compounds with the protoplasm of the cells are a quantiture way directly according to the tension of the ansewhetic vapor it is advisable to use that standard of expression which both represents the action of the drug and also remains unaffected by horometric changes.

Boothby and Sandiford (17) give the following table illustrating how the Comuellapparative, when calibrated in tension adjusts sited to barometine changes and conversely how it does not do so if calibrated in percentages by weight or percentages by volume Set at the same point the apparative would deliver according to the three systems of expression as follows

9.46% by wt = 3.91% by vol = 24.6 mm at 630 mm and 21° Colo. Springs (6000 feet) 7.78% by wt = 3.18% by vol = 24.8 mm at 780 mm and 21° sea level

Connell (13) gives very interesting curves for the other pressure required in the alveolar air and

shows that in the preliminary stage an either tension as high as 38 mm can be administered with safety and that for the inductory period it must at least be over 100 mm in order that the induction may not be unduly prolonged. After five minutes the curve falls and reaches 90 mm in the minutes when surgical relavation becomes complete. During the next half hour the curve scales downward reaching a pressure of about 50 mm. in thirty of forty minutes. He shows that on this tension of 50 mm. as a base anexthena can be maintained for men of every type for many bours without increasing or decreasing the depth of narcoss.

The curve worked out by Connell has been carefully checked by Boothby (12) and his investiga tion confirms the curve as given by Connell Boothby however believes it is distinctly safer to allow the inductors period to take fifteen min utes and during that time not to force the ether tension materially above 100 mm. Most of the latter's investigations were made on patients on whom Prof Cushing performed a cerebellar operation thus necessitating a Drone position with the head supported by a special rest. These operations frequently lasted three hours. The patients were carefully placed in the position in which they were to remain during the operation and the ether started It was therefore necessary to so administer the anaesthetic as to cause no excitement struggle or scarcely a movement on the part of the nationt. To produce smooth motionless induction at is necessary that the ether tension be only gradually brought up to 100 mm. - a period of five or six minutes - maintained at this level for seven to ten minutes and then gradually lowered to the true anaesthetic tension of so mm The time required for induction varies materially and depends on the size of the patient and the rapidity of the circulation as compared with the size of the body - the smaller the nationt and the greater the volume of blood passing through the lungs per numute the quicker will he be anasthetized and also the more rapidly will he recover on removal of the anæsthetic

"Mathough for he would be insentence from to tay, mercular some called patients are found to tay, mercular some control patients are required to saturate their bodies up 190 men to when you have been demonstrated. In the patients thus studed the anesthetic tenson required was the same regardless of age sex or condition of chronic alcoholosm In regard to the influence of age two cases were cited (12) in abless satteen hours and nine months old which required the same ether tension of 50 mm to maintain assessment brough on account of the relation sometimes through on account of the relation assessments.

giving while he possesses no accurate control over the unmeasured quantities of the drug employed He is forever experimenting upon his patients and the results he obtains depend wholly upon his personal acumen as an experimenter. He depends solely upon his powers of observation if the results consequent upon his unknown doses seem to be touching upon the zone of danger he limits his supply of chloroform but by how much he does not know That many men can intuitively stumble upon a safe dose when employing un dosimetric methods is obvious and that expen ence will enable such to anticipate events a undoubtedly true but the system lacks the impri matur of science and i apt to fall at critical moments.

Button on the haus of a very extensive expenence concludes his paper by saying I believe both from experimental and critical evidence downetine method of giving chloroform are the only safe means of exhibiting that drug and by their use its dangers are abolished or so far

lessened as to be negligible

For an apparatus Buxton makes use of the Vernon Harcourt regulator According to Har court's own experiments the percentage of chloroform which from theory should be two ner cent varies according to the depth of respiration from 1 54 per cent to 2 26 per cent, though the mass—i e grams per mm —of chloroform remains quite constant (3) As volatile anæsthetics act entirely according to their tension (o) the mass inhaled is of no consequence an error in the estimated douge of nearly 25 per cent does not allow very accurate deductions as to the strength of chloroform required and by the use of such an apparatus no fundamental facts as to the deter mination of the anarthetic tension of chloroform could be made Such an inhaler however would in the hands of one acquainted with the 1gn of variation under given conditions, render it practically impossible to give a fatal overdose of chloroform and is therefore better than a mask from which no indication of the strength could be obtained The Connell anæsthetometer if calibrated and properly modified for chloroform would deliver chloroform vapor with great accuracy independent of the volume of respiration

Button a contention that the dovimentric administration of choroform renders the dangers the return the content of the content

that tresue follow closely, within a wide range of dosage the solution tension of the chloroform in the perfusing solution also that the degree of depression of the heart was a function of the solution tension of the chloroform Embly (5) has shown that when air containing more than two per cent of chloroform was administered in the in pired air slowing of the heart ensued and that when higher percentages were employed the degree of the inhibition was rapidly intensified Because the margin of safety is very narrow between a tension of chloroform dangerous for the heart and the tension used during the induction of narcous deaths in chloroform anæsthesia are very apt to occur in the early stages If as Bux ton (7) recommends chloroform is never administered stronger than two per cent (by volume) such deaths can be avoided a dosumetric method of administration is obviously a necessity

All trace of cyanosis must be absolutely avoided when using chloroform as Sherrington and Sow ton (6) have shown that oxygen-want intensifes the action of the same tension of chloroform on the heart and other tissues and that the decression

so caused is more difficult to remove As yet we do not know whether or not the dosimetric method will render delay ed chloroform polosining less hilely to occur. Clark (17) states without reference that experimental work has shown that chloroform is even more likely to cause delay ed poisoning un pregnant dogs and cats than in non-tremant indi iduals.

Using an accurate dodinettic method and with the avoidance of cyanosis the question of delayed chloroform poisoning must be re-investigated.

ETHER - DOSIMETRIC METHOD

It is not necessary to adopt the downettic method of administering ether from the point of view of the safety of the patient as is the case when chloroform is used. Its value is in teaching the anaestheist the potency of the drug the degree of annesthesis that can be produced by various tensions the time it takes to saturate the body up to the annesthetic tension of 50 mm and, finally that there is no appreciable alteration in the tension required caused by variation in age sex or chronic alcoholism (12).

For the dosumetric administration of ether apparatius devised by Karl Connell (3), 44) of Roosevelt Hospital New York City though at first glance it may appear complicated and in practiculte is as a matter of fact very sumple and easy to handle 11 should always be used for intratracheal or for pharyngeal insufficient When used in ordinary work it should be attached

The experimental data given by Boothby show that surgical narcoss is produced by a tension of 50 mm — a higher tension produces a dangerously deep narcoss and a lower tension an inconventity hight anesthesia. The percent age saturation of the nervo-cell caused by any given tension of ether is not known. However, it can be assumed that the same degree of saturation is always produced by the same tension and that eventually a correct dissociation curve can be determined as in the thoroughly studied reversible reaction Hb-fo₇=HbO₈ in which the percentage saturation of the hazmoglobun with oxygen is dependent on the oxygen tension to which the hermoglobus genosed.

If such be the case our conception of the theory of production maintenance and recovery from anasthesia can be rendered more complete by the following hypothetical formula Let Mn represent the molecules in the nerve-cell affected by the angesthetic and let An represent the group of Then substituting in inhalation anæsthetics the above hæmoglobin-ovygen equation the reversible reaction Mn+An MnAn is seen to take place. In this reaction the percentage saturation of the Mn molecules in the nerve-cells and therefore the depth of anæsthesia is dependent on the tension of the anasthetic vapor to which these susceptible molecules are exposed The percentage saturation caused by ether at a pressure of 50 mm produces that degree of cell inhibition that is necessary for ideal surgical anæsthesia

The evidence here cited shows that there is stitle or no variation in the anesthetic tension of ether in different individuals. Clinical experience has proven that some patients require by the ordinary methods of anisethesis more ether poured upon the cone than do others. The apparent discrepancy between these two facts can be accounted for by the following three factors

In the first place as the author explained in an attention raper (13) there is a wide variation in the amount of air breathed by different patients. Therefore varying amounts of ether must be poured upon the cone to bring the fluctuating amounts of air up to the same tension. When attempting to obtain the higher tensions in larger amounts of air the waste of liquid either is transmounted in the waste of liquid either is transmounted in the same tension. The mendous just as the amount of fuel necessary to microse the speed of an engine above a certain point is great in proportion to the result obtained.

Secondly the volume of blood flowing through the lungs per minute varies greatly not only in different individuals but at different times in

L less sensory stanch are blocked by the use of local amounthetic.

the same individual further the relative amount passing through the various organs will fluctuate from time to time Accordingly it is evident that the rate at which the brain for example becomes saturated or desaturated—that is, at the rate at which the patient becomes anæsthetized or recovers therefrom-depends upon the amount of blood flowing between the lungs and the brain - assuming the alveolar ether tension to remain constant. At present we have no means of esti mating changes in the circulation rate and therefore cannot calculate the exact value of this factor That it is of considerable moment how ever can be judged from the experiments previously reported by the author which showed that the rate of elimination of CO, was dependent not only on the volume of resouration but also on the rate of blood flow (25)

The third factor is the possibility of a variation in the rate of chemical reaction due to slight changes in chemical environment. On account of the well known influence that environment exerts on the rapidity of chemical reactions it seems quite possible that even small changes in acidity viscosity permeability or temperature might affect both the rate at which the timon between the ether and lipoid takes place during the period of saturation and also the rate at which dissociation occurs during desaturation on the reduction of the ether tension.

WARMING ETHER VAPOR

The question of the necessity of warming anasthetic vapors has received considerable atten tion of late years Confusion has arisen from not differentiating latent heat the heat needed to convert a liquid into a gas and the specific heat - the heat required to raise the gaseous mixture of ether and air up to the body temperature. In dealing with inhalation anæsthesia we are not concerned with latent heat because that is acquired from the surrounding air. The amount of heat required to raise the ether-air mixture from the temperature at which it is inspired to hody temperature has been worked out by Boothby (18) His conclusions based on experimental work are that the loss of heat directly attributable to warming anæsthetic vapors is negligible in comparison to that from the body surface He deems it far more important and practical to prevent the temperature of the patient from falling by keeping him dry and warmly covered.

NITEOUS OXIDE-OXYGEN

Crile (23) strongly advocates a nitrous oxideoxygen anaesthesia plus local anaesthesia of two thely rapid circulation the saturation was quickly accomplished. It was likewise pointed out that the anesthetic tension could not vary with age because in the case of the baby sixteen hours old had an operation occurred a few hours earlier before partunition the fortis would have been saturated up to the tension of 50 mm requisite to narrotize the mother. It is well known that pregnant women can be anaschetized with safety

Morphine up to doses of 1/6 gr cannot be demonstrated to have any effect on the anasthetic ten-

sion of ether (12)

ETHER -- OPEN DROP METHOD

Largely through the influence of the Maysclinds (31) the open-drop method of either ansethesia with the use of a simple wire mask to prevent the net gauze from lying directly on the patient's face has supplanted the various forms of ether cones. The use of the drop-method together with the realization that steriorous obstructive respiration even if not of sufficient degree to produce cyanosis can be avoided by the proper control of the sir way together with the administration of an et-en and not too concentrated ether has in the list few years greatly improved the results obtained by the exhibition of ether as an anesthetic. It is by far the best method for routine work.

The question of the ether percentage obtained by the use of this method has been dealt with quite fully by Boothby (18) He has shown that small amounts of ether poured upon the mask will easily produce a tension of ether in the in spired air sufficient to etherize a patient provided the volume of air breathed by the patient does not exceed twenty liters per minute if the volume of respiration is over twenty liters per minute it is difficult and sometimes impossible for the in experienced to produce a sufficiently high tension so that the patient is quickly etherized He also pointed out that under such conditions the vapora zation of the ether could be sided by alternately placing the warm hand of the administrator on either side of the mask but in so doing care must be exercised not to hinder in any way the passage of air to and from the patient.

THE AMESTHETIC TENSION OF ETHER VAPOR AND THE LAWS GOVERNING DOSAGE

The theoretical side of anasthesia is very well set forth by Meyer and Gottlieb (8)

They emphasize the fact that (o) a certain degree of saturation of the issues with the anaesthetic corresponds to every variation of the partial pressure of the gas in the alveolar air. The depth of anæsthesia is consequently at every moment dependent on the partial pressure of the anæsthetic in the gas muxture respired

From this law first propounded by the French physiologist P Bert follows the extremely important conclusion for the management of anaesthesia that the depth of narcosis and the danger thereof is not at all dependent on the absolute amount of the anasthetic which has been used but upon the concentration of the anaesthetic in the resoured air. The control and modification of the degree of action which with non volatile drugs is attained by modification of the absolute size of the dose is, during the ad ministration of eases attained by the modification of the concentration administered Consequently in every moment of the anasthesia a sufficient dilution of the anasthetic with air is an essential condition

That the depth of anesthesa is extinately dependent on the tension of the anesthetic in the inspired air is of course true it is, however immediately dependent on the tension of the ether in the central nervous system. Both Conference of the conf

system and the inspired air

Boycott, Damant and Haldane (sa) have studied the rapidity of saturation and desaturation of the body for introgen up to a pressure of satmosphere. According to their calculation the body of a man would be half-saturated with the access of introgen in twenty musutes three-fourths saturated in forty-ax amutes etc the pressure remaining constant. They also point out that the rate of saturation and desaturation of the saturation and desaturation and restrictive man was of blood and rate of circulation in the same individual different organs would be more or less quickly saturated and desaturated according to the proportional volume of their blood supply

The term ansesthetic tension has been adopted by Boothby (12) to express the value of the lowest partial pressure of ether vapor which when continuously respired, will maintain an ideal surgieal narcosis after equilibrium has been obtained between the tension of ether in the inspired air at keotar are blood, and tissues.

The experimental data given by Boothby show that surgical narcosis is produced by a tension of 50 mm —a higher tension produced a dangerously deep narcosis and a forest tension an inconvently light anasthesia. The percentage saturation of the nerve-cell caused by any given tension of ether is not known. However, it can be assumed that the same degree of saturation is always produced by the same tension and that e-estually a correct dissociation curve can be determined as in the thoroughly studied reversible reaction Hb-10,=1810, in which the percentage saturation of the hazmoglobun with ovygen is dependent on the ovygen tension to which the hemoglobun seposed.

If such be the case our conception of the theory of production maintenance and recovery from anasthesia can be rendered more complete by the following hypothetical formula Let Mn represent the molecules in the nerve-cell affected by the anæsthetic, and let An represent the group of inhalation anæsthetics. Then substituting in the above hamoglobin-oxygen equation the reversible reaction Mn+An MnAn is seen to take place. In this reaction the percentage saturation of the Mn molecules in the nerve-cells and therefore the depth of anæsthesia 18 dependent on the tension of the anæsthetic vapor to which these susceptible molecules are exposed The percentage saturation caused by ether at a pressure of 50 mm produces that degree of cell inhibition that is necessary for ideal surgical

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Secondly the volume of blood flowing through the lungs per minute varies greatly not only in different individuals but at different times in

Unless sensory strength are blocked by the use of lotal augusthetic.

the same individual further the relative amount passing through the various organs will fluctuate from time to time. Accordingly it is evident that the rate at which the brain, for example becomes saturated or desaturated—that is at the rate at which the nationt becomes anæsthetized or recovers therefrom -- depends upon the amount of blood flowing between the lungs and the brain - assuming the alveolar ether tension to remain constant. At present we have no means of esti mating changes in the circulation rate and therefore cannot calculate the exact value of this factor That it is of considerable moment how ever can be judged from the experiments previously reported by the author which showed that the rate of elimination of CO was dependent not only on the volume of respiration, but also on the rate of blood flow (25)

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NITROUS OXIDE-OXYGEN

Crole (23) strongly advocates a nitrous oxideoxygen anæsthesia plus local anæsthesia of two kinds m all cases one for immediate and the other for a later effect in a considerable percentage of cases ether is also used to deepen the narcosis. The general anesthetic is administered by nurses of exceptional capability especially trained for the purpose with great care and who have had much practical expenence. Using the principle of anon association the mortality at Lakeside Ho pital has been reduced from 4.3 per cent in 1908 to 0.8 per cent in the last 1,000 operations performed by Chie and his associate W. L. Lower

In Crile's clime more attention has been poid to the refinement of the problem of anæsthesia than in any other clinic in the world. In attempt ing to apply the form of anasthesia elsewhere no details can be eliminated and these consist on the part of the surgeon in careful delicate operating with large inci ions and avoidance of the use of retractors the use of local anaisthesia to present reflex hypertonicity of the muscles thereby decreasing the amount of other needed to produce a deeper degree of anaesthesia which otherwise would be necessary and on the part of the anaethet ist, training and skill so that evanosis is prevented a clear air way maintained and the proper mix ture of natrous oxide oxygen and other adminitered

Straight nitrous orude-ovygen anesthesia without local snasthesia and without ether as recommended by Prince (29) cannot produce except in a small percentage of cases, the ideal and safe auxisthesia as represented by Cule's complete technique with a highly trained team

The mechanical difficulties of nitrous oudeopper-ether anasthasa have been overcome by the use of the pranciples pouncid out by Cotion and Boothby (16) and later adopted by Gwathmey and Wookey (16). At Mildre (27) and others These pranciples are (1) Reduction of the pressure of introus oude and oxy gen to an easily controlled pressure of about 25 lb to the square inch (2) a vasible method of estimating the relative proportion of each gas being administered (2) easy addition of other in appropriate amounts (4) exclusion of air and finally (3) maintenance of an absolutely free air Nat

The desirability of introus oxide is increased as the necessity for ether is diminished. This factor depends on the surgeon and requires the adaptation of the technique used by Crile which allows the use of a lighter zone of anesthesis. This point will presently be discussed more fully

Several instances of threatened come and one case of death in come (30) in patients suffering with diabetes have come to the author sattention following mirrous ordic anasthesis. Whether or

not the nitrous ordide was administered in such a way that cyanoe's and oxygen-want also occurs as not known At all e-ents there seems httle justification as yet for the acceptance of the idea that nitrous oxide is absolutely harmless to the kidneys as some writers and as the manufacturers of introus evolve claim.

SYNERGISM

Fulner (48) has suggested the term synergum to denote enther the one-saded or the recopretal augmentation of the action of one drug by that of another The synergistic action of morphine nitrous oxide and ether has been long recognized in a qualitative way Crite 5 (23) technique is the practical application of this phase of pharmacology he however goes ene further and by the use of local anesthetics renders it possible to use surgically a less profound general narco-ss than

would otherwise be necessary
From the work of Crile previously referred to
it is evident that the shillful application of the
surgraptic action of certain narcotics—general
and local—has brought about an unequated morlatity record in explanation of his results Crile
has advanced the theory of anon-association
licencer to many of those familiar with the laws
governing the aboverption and distribution of
amendating gases and the probable tessions of
amendating gases and the probable tessions of
synegratic method of administration it veems
synegratic method of administration it veems
more satisfying to adopt a working hypothess
based on definite demonstrable facts in pharma
cology rather than on the more abstraces and less
only rather than on the more abstraces and less

clearly defined data of succ-association.

Connell a preliminary tensions of nitrous orde, and ether that he has found necessity for producing complete surgical narcosts agree very closely with some of the author a unpublished calculated values. Connell finds that the following mixture

will take care of any case
Antrous orace at a tension of 650*20 mm
Oxygen at a tension of 85*25 mm
Ether at a tension of 15*5 mm

Nitrogen at a tension of 10-5 mm.
Only a sloph typeconing change in the tension
of nations conde can be accomplished by decreasing the oxygen tension as at is not safe to lower
the oxygen tension as at is not safe to lower
the oxygen tension below 7p mm any increases
in the depth of narcouss that is required can only
be obtained by the addition of ether. An ether
tension in excess of so mm will rarely be needed
however even if more than 10 mm are required
the character of the narcous departs from the
desirable auteous conde type and tends rapidly to
become alumita 10_astraight ether anesablesis

The necessity for deepening the narcosis with ether can however be in part avoided by delicate operative manipulation but mainly by preventing the sensory stimuli from tending to awaken the patient in other words it is unnecessary to produce in the central nervous system such a degree of cell inhibition as would be the case if those cells were continually receiving stimuli

It seems therefore that the explanation of the success of Crile's technique in so far a it con cerns the anaesthesia as distinct from the judg ment and skill of the operator is pharmacological instead of phylogenetic that is his method produces less minry to the organism as a whole first by taking advantage of the synergistic action of several narcotics using none of them in an injurious dosage and secondly by decreasing the amount of cell inhibition needed by making use of a lighter zone of anæsthesia through the as ordance of assakening stimuli rather than by the prevention of the shock or exhaustion that a assumed to be produced by these

stımulı Recently a new combination of narcotics has been tried namely magnesium sulphate and ether Meltzer and Auer (19) have shown that rabbits which have received 0 6 gm magnesium sulphate per kilo a dose insufficient to narcotize normal animal can be completely anæsthetized by the administration of an ether tension in sufficient to do so in a control rabbit In a person al communication Meltzer has informed the author that he and Peck are studying this question on human beings and that the results are very gratifying

If magnesium sulphate in small safe doses is found to materially reduce the tension of ether required to produce narcosis in humans, and if the antagonistic effect of calcium to magnesium sulphate can likewise be adopted in surgical anæsthesia marked advance in our anæsthetic methods may shortly occur. The awakening effect of calcium injected into a rabbit was very strikingly demonstrated at the annual meeting of the Physiological Society in Philadelphia by Gates and Meltzer (22)

CENTRAL AND PERIPHERAL ACTION OF AMESTRETICS

Auer and Meltzer (20) have studied the effect of ether inhalation upon the skeletal motor mechanism and found contrary to the general impression that ether has a decidedly depressive effect on the peripheral nerves and muscles they consider that ether besides its undoubted central effect is capable also of a curare-like action

Githens and Meltzer (21) found however that the phrenic nerve and the diaphragm were distinctly less affected, for after complete stoppage of the spontaneous respiration indirect stimulation of the phrenic nerve as well as the direct stimulation of the diaphragm cause a fairly good contraction of that muscle On the other hand it is evident that the irritability of ners e and muscle lose a good deal in the course of ether anasthe is and that toxic action upon the peripheral respiratory mechanism begins at an early stage of the etherization They conclude

therefore that probably the intorication of the peripheral respirators mechanism has some share in the early stoppage of the respiration by

ether anasthesia On the other hand Githens and Meltzer found that chloroform practically does not affect the irritability of motor nerves.

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ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

ANÆSTHETICS

McCardie M B Blumfeld Hewitt Waggett and Others Discussion on Posture in Relation to General Anzesthesia P & Roy Soc Ved 9 A vu, Sect A ssithesa 39 By Surg G) nec & Obst

MCCARDIE opened this discussion stating that the importance of posture in general anexistics a can scarcely be overstated. Not striving to cover the whole ground as done in such an admirable work as Hewitt's be analyzed various postures as affecting (1) respiration (2) circulation (3) nerves of extremities (4) musicles and joints (5) viscera, as stomach intestines or kidneys

A sleeping chald is a criterion for study and its general semilection of joints a h t for ansethesia Operations on the upper part of the body suggest a higher postion of head and shoulders than in operations on the lower half. In brain cases an extended head rest and for the prone position elevating pads under the clavicles and that crests are necessary to relieve resumation.

Throat operations demand a posture which favors exit of blood i c. lowered head. It may develop that intratracheal insuffiction will make possible an upright position and yet avoid gravitation of blood into the trachea The head extended over the end of the table is against the rule for semiflexion in spite of it favoring exit of blood Sitting upright is a much discussed posture one point being that the I ght degree of anaesthesia allows it another against it is chloroform with its alleged danger of syncone though some cl m exemption from experience of The semirecumbent posture is condemned The danger of brackes! paralysis from extended arms s evident Operations on the lung and pleura demand careful attention so as to give the good lung the utmost freedom

The Trendelenburg position is one involving many considerations and much difference of opinion based on conditions present in the cases discussed. It is the position 1 health assumed for easy breathing More hore chits was found after it. Preumonia was more common to pulmonary embolism but here the fiesion of legs was a factor to consider in the consequences. In eight cases of their and eight of chlorolom almost no unite appeared in the bladder at other chits of the consideration of the consideration of the consequence and the proposed of the consequence at eight of the consequence at other dentity on raising a patient with valvular disease of the heart. In 1011 GARCH GANY and MANN reported a through everymental study of this

position finding asphyxia more fatal in it than in the horizontal In conclusion it should be tolerated as little and for as short a time as possible and with the legs in a position of ease never in organe diseases of the heart lungs arreires, or kidneys nor in obesity The joints suffer from constrained positions more than is realized as Goldiliwant has toom of case for joints in any position. The little position of case for joints in any position. The little position was not as the contract of the back

The post-operative posture should be a natural one as in sleep for persistent vomiting after recovery the atting posture may releave helping the stomach to empty itself naturally or for that dreadful condition dilatation of the stomach the proce position is helpful even having restored one in extremis

BLUMFZLD rallied to the defense of the Trendelen hurg position under chloroform for shock and pointed out that the sitting position is dangerous under a deep anaesthesis when not under a light

HEWITT also showed some advantage in the Trendelenburg position for shock the embarrassments therefrom being due to obstructed air way and usually removable. The head-down position in transferring pat ents after operation is bad the lateral being desirable.

WAGGETT advocated the niting posture for nose and throat cases as helping the surgeon and not harmful for the patient the anaesthesia not being induced after an initial low posture of course the anaesthesia moreover being a light one HARMER on the other hand advocated the lateral position for nose and throat cases FRANK W PYTYMO

Gwathmey J T O i Ether Amesthesia N F M J 1914 xxx 1 By Surg Gypte & Obst

Gwathmey refers to the infancy of anisthesia as still shown by our limited knowledge of a great number of substances having some aniesthetic property for there are nearly a thousand of them and we have adequate knowledge of only about a dozen as anisthetics

Animal experiments to the number of about twe ty four were performed to ascertain the value of ether as an anasthetic when introduced by rectum. The solution first used was about 500 cm of 5 per cent other in normal salt solution. Ether in oil was then substituted the oil preventing intration and holding the other is solution while

the ether by the change from logud to gas in the rectum checks both evaporation and absorption thus regulating the dose stred by Another regulaing factor is the fact that the elimination of ether from the lungs is faster than the absorption from the rectum Laprenments on various oils for the purpose were made and carron oil chosen because the purpose were made and carron of other the time of the purpose of the control of the control of the con-

Experiments were made on does with various proportions of olive oil and ether resulting in the adoption of a solution of from ffty to seventy five per cent ether according to the age and size of the individual the quantity used to be about one ounce to every 20 pounds of body weight. The injection is made all at once following a preliminary hypodermat c of morohine and atrooine and a rectal injection of five to twenty grains of chloretone, the rectum being clean When the operation is finished or in case the dose proves too much the oil-ether mexture may be withdrawn by a pair of small rectal tubes inserted. In conclusion an irrigation with cold soansuds follows and finally 2 to 4 ounces of olive oil are introduced and then a pint to a quart of cold water Recovery of consciousness comes in filteen to thirty minutes

Salety governed the earlier work on human beings and the lower percentages of either were usual feent for a surgeal annesthesa in some while in others surplementary either by pribalision was needed. Now by the above method results nextly troubles ensure Further development is directed in three ways (1) as a distinct method (3) with a local anasthetic thus broadening the field of local sursthetic thus broadening the field of local sursthesis.

Gwathmey J T : The Technique of Oil Ether
Colonic Ansesthesi
630

Gwathmey J T : The Technique of Oil Ether
N 1 M J 19 4 xxxx
By Surg Gyacc & Obst.

For this method of a sestiesta the apparatus is a long rectal tube a clamp for it a gias funnel and a Lockwood tube. Preparation consists of cleaning the rectum by easter oil and enems chrottone five to ten grans in ether and of we oil by rectum morphine one quarter grain with another one to the grans of the property of the control of

Care to m intain a free a r way for breathing is very important as in y anisothetic Supplementary ethe inhalat on my be required to induction At any time the residual of ether in the rectum can be removed by lowering the funnel tube and at the end of the operation braide this acid soapy water is injusted by this tube and re

turned by the other introduced alongside and final by a punt to a quart of cold water is left. In Ref. Benes remain active and stertor and puffing of the lips are not allowed Caution is urged against signs of too profound an anaeriscus and against the danger that the simplicity of method may be a snare to the uneary Frank WP to

Boothby W M and Sandiford I: The Calibra tion of the Waller Gas-Balance and the Conneil Ansesthetometer J Phone of Ex Thera) 19 4 v 359 By Surg Gyne & Obst

The calculations necessary for calibrating the training and the state of the calculation of the state of the

By means of the Waller gas balance thus cabbrated the Connell anaestheometer has been tested and it has been found that the tension of other deducted by the apparatus was on the average 2 i mm too high the maximum error being +1 s mm The Connell apparatus adjusts itself to atmospheric conditions if the ether delivery is expressed in tension and not in recreating.

Boothby W M and Peabody F M A Comparison of Methods of Obtaining Alveoiar Air A h I ters I Med 19 4 2m 407
By S rg Gynec. & Obst.

Is a result of an extensive comparative study of various methods for obtaining the tension of gases in the alvoclar air with especial reference to the use of these methods in clinical work the authors have arrived at the following conclusion

The Haldane method gives results which approamate closely the average gaseous composition of the alveolar air. It is the most r hable and accurate method when used on intell gent and experienced subjects. The necessity however of obtaining v, y deep and forcible experiences limits its usefulness when working with untrained or sick netroops.

The Lundhard method and its modifications give values analogous to those of the Haldane method The method has the adva tage however of not requiling such deep experiences as the Haldane method. The technique of taking the samples aboverer most more difficult for the observer In certain types of pathological cases, notably in unconscious overly sick patients with a large alvoolar ventilation the method is useful and the technique simple.

The Pleach method gives values for the carbon chounds tension which are higher this those obtained by the Haldian end Lindhard methods Successive determinations p: e-sufficiently constant values. The technique of the method both for the observer and for the subject so simple that the method is especially useful for rotutine clinical work.

SURGICAL INSTRUMENTS AND APPARATUS

Sinclair D A A Retro-Urethral Cystoscopic Guide for External Urethrotomy V Y M J 1914 xxxx 677 By Surg Gynec. & Obst.

In order to obviate the difficulties of external unethrotomy without a guide Sinclair has assembled the following instruments a trocar and cannula (15 French) three inches long a straight observation cystoscope (12 French) five inches long a Herzfeld eustachian catheter (12 French) with spiral end and

fishform bouge to fit catheter
The technique is as follows

Under local or general
anasthesia with the bladder full of unne or filled
with bone solution from a pressure syringe with the
patient in sl ght Trendelenburg position the trocar
cannula is plunged slightly antero-forward into

the bladder one mich above the processmothers After removing the trocar and irrigating the life ... through a soft catheter the bladder is fired w h bone solution, the systoscope introduced if oneh the cannuls and the internal urethral mea, us loca ed After placing the cannula in proper post yea the custachian catheter is substituted for the cyrloscope and the urethra catheterzed down to the ureth-al stricture The patient is then put in L.bremy position for a perineal incision down to the calbert whereby the urethra is opened to permeal drainage and the stricture field eradicated, the supramble puncture closing without drainage. The arthor also shows a modification of the cystoscope so that the internal urethral mouth may be cathetenzed with a flexible metal bouge under direct vision the orgh a catheterizing instrument Caus. E. Burner

SURGERY OF THE HEAD AND NECK

HEAD

Bloodgood J C: Carcinoma of the Lower Lip Its Diagnosis and Operative Treatment S rg G rc & Obst 9 4 ms 404 By Surg Gynec & Obst.

In the Surgical Pathological Laboratory of the Johns Hopkins Hospital between the years 1892 and 1913 the records of 200 cases of lesions of the lip have collected Of these 15 are distinctly benign and all ha e remained well since the excision of a I shaped piece of the lower lip including the lesion.

These lesions may be looked upon as precancerous. They are identical with the first local trouble on the up as described by patients who come under observation with cancer There are 18 examples of malig nant warts which represent the early stage of cancer a wart 17 of these patients were permanently cured by complete local excision of the cancer seems u necessary at this stage of the disease to remov the lymphatic glands of the neck. In 167 cases the lesion was a fully developed carrinoma Amo g these there were but 5 examples of ca c oma ba occilulare (Krompecher) Among these 167 cases in 29 the disease, on account of its local infiltration glandular or bone involvement had

become noperable—about 12 per cent
The author shows that the local propaganda of
education has increased in the past five years the
per cent of being lessons from 4 to 18 and has
decreased the inoperable cases from 18 to 8 per cent.

The in extigation of the end results of all cases of the fully developed carcinoma of the lower lip in which five years or more have elapsed since opera ton demonstrates that the glands below the jaw sho lid always be removed. When only the lesson of the lip has been excased there have been 37 per of the lip has been excased there have been 37 per perhaps in only 20 per cent of cases. When the operation consisted of the removal o, itlesson on the lip and of the glands of the neck and when they have shown no meta tasis under itmicroscope 95 per cent have remained well when however the glands did show metastaxs only 52 hours cent were curred.

The investigation also discloses the danger of any method of treatment of the disease on the lower I p which fails to cure the local lesion or to remove the glands of the neck. While the per cent of cures in the three primary groups are respectively 63 05 and 50 per cent at falls in the recurrent cases to 20 60 and 20 per cent, respectively In all forms of cancer the two factors over which we have control are the duration of the disease and its surgical treatment To increase the number of cures of cancer of the lip people must be educated to th potential dangers of the smokers burn at the mucocutaneous border of the lip of unbealed blisters and ulcers and all wounds of warts and any area of If such a lesion does not disappear spontaneously within a month it should be excised a th a margin of healthy tissue The piece should th a margin or promptly subjected to microscopic examination and if carcinoma is present the operation upon the

The author also describes in detail a methol of removing the glands of the neck which promises better results in cases in which the glands are

involved

Comparative Table of Results in Cancer of

Conver Lip as Ascertained in 1903 and 1913 in the

Surgical Pathological Laboratory of the Johns

Hopkins Hospital and Hammer of the Johns

Estguent warts born totals bornisis loss professi coperable 128 This table shows that the local propagands of

education has increased the benish lesions in which there are 100 per cent of cures from 4 to 18 per cent and decreased the hopeless or moperable cases from 18 to g per cent

The period 1008 represents 10 years - from 1880

the period 1913 — five years

Table of Per Cent of Cures in the Operable Cases of Cancer Up to 1008

	Pressity			~~Recurrent ~~		
Escaron of	Total		Local Recur			
lp lesson an and plantes		7~63 [^]	nema.	3	- 20"	Trace
N merastasis Metastasa		10=05°9 6=50%		į	2=4014 1=4014	
Totals	44	13=15°	3	-	5=35	

This table shows that any previous treatment of the little lesion on the lip which is not effectual reduces the chances of a cure from a later proper operation from 75 to 31 per cent

In cancer of the up the glands of the neck beneath the law should slaays be thoroughly removed The probability of their involvement is at least 16

per cent

Ļ

We know that \ ray has no effect on metastatic glands in the neck and we have no data to indicate that radium will be any more effectual. Therefore granting that 't ray or radium may now and then cure the lesion on the ho the patient still runs the risk of metastasis to the glands. It is therefore a very dangerous treatment to employ X ray and of the 18 cases of malignant waits which are not

included in the above table 17 have been cured

15 of these are five-year cases
Table Showing the Duration of the Disease in

Loss then a months	
s to 6 program ta #3	
6 to 9 months 2 g to months 27 to 8 months 27	
Smooths to years 7	
S to 2 here.	
Sherry red cutes 77	
Total of cases po	

This table shows the necessity of a propaganda of education In only 11 or 7 per cent of cases have patients sought advice for the little lesion on the lower hp at the most favorable period—within the first three months of its existence. There is really no necessity for the delay of even three months because within this period metastasis to glands has taken place in cases, one of which has been cured Of these 11 patients 10 or 91 per cent are well

The lesions in these sr cases were as I llows benign - all well a malignant warts - both cured 6 fully developed cancers in 4 of these the glands showed no metastass, and these patients are will in a the glands showed metastasis the patient whose glands were removed at the first operation is well

is the second patient the giands were not removed as they should have been at the first operation, and this patient died of cencer of the glands of the neck The per cent of cures therefore in the 6 cases of

cancer in which the lesson had been present 3 months or less is 83 per cent as compared with the average of 25 per cent in all cases The per cent of cures in the 4 cases of cancer without metastasis to the glands is 100 per cent as compared with 95 per cent in all cases without metastasis to the glands

Had the glands been removed at the primary operation in this one case the chances are that the per cent of cures in this group would be 100 per cent This gives the facts in a nutshell Patients with little lessons of the hp who submit to the simple operation at least within three months of noticing

the lesson should have 100 per cent chances of a cure if the surgery is thorough. We have no available evidence that any other method of treatment prom ises results which can compare with these.

The two factors over which we have control are

the duration of the disease and the treatment. It should not be a difficult matter to educate the nubbe

The etiological factors in cancer of the lower his are Burns from smoking wounds from teeth irn tation from carrying nails and other foreign mate nal between the lips unhealed lever bluters, cracks and chaps The httle lesson can always be imme-diately seen and felt Pain is usually absent When the lesion is first observed smoking should cease the teeth should be put in order the habit of biting the lips or carrying foreign material between them corrected the little lesion should never be touched with caustics or picked. If it doe not heal within three weeks, it should be excised. This can be done under local anasthesia without pa n or The lesson should be excised with a mutilatio good margin of healthy tissue and subjected to microscopic examination because it is possible that cancer may have developed even within one month

although this is very unusual If cancer has developed the glands of the neck

must be removed

When this rule is followed in every case no one should fear cancer of the lower hp There will be no mutilation and even the danger of the operation on the glands in the hands of a competent surgeon is negligible

Dural P Preservation of the Upper Branches of the Facial in the T tal Removal of the Parotic for Other Diseases than Cancer (Conservation des rameaux sup neurs du (acial dans l'impation totale de la parotide en d'hors du cancer). Rer de ch / 10 4 | 5 3 By Journal de Chirurgie

The surgeon oft a performs a limited operation in removing tumors of the parotid gland because of the fear of facial paralysis It is only the eye comcations that are of any real importance so that if the branches supplying the eye can be avoided the exturpati n can be m de more radical and recur

rence more surely avoided Duval has succeeded

in doing this in two cases

The facial nerve penetrates the gland dividing it into two layers the lower one of which is very thin The facual should be found at its exit from the skull and the upper (fronto-palpebral) branch followed to the posterior superior angle of the parotid To do this it is necessary to section the mastoid and sectioning the posterior belly of the digastric makes it easier to find the nerve and pass behind and elow the deep lobe of the gland The cervicofacial branch is cut at its origin and also some of the lower fibers of the upper branch only those fibers being spared which control the eye It is then easy to displace these fibers upward and to draw downward the thin layer of the gland that hes below the nerve This is seized with forcers and drawn downward and forward with the rest of the gland J OKINCZYC

Vincent E Treatment of Fractures of the Base of the Skull by Early and Systematic Trephining with Opening of the Dura Mater and Menin with Opening of the Join states maked has fractured a la base du crà par la tripanation précore et systèma tupe ave ouvert re de la dure-mère et dra nage mên ingé) Rev mid d'Alger 1913 I By Journal de Chrurgue By Journal de Chrurgue

Vincent who has previously published his ideas as to preventive systematic trephining in fractures of the skull now reports 15 new cases operated on only four of which ended in death With the 8 cases of recovery published previously he now has 23 cases with 4 deaths. The deaths have always followed the traumatism very quickly being due to cranial dislocation severe injury to the brain or contusion of the medulla

It is impossible to cure all patients who have fracture of the base of the skull there are injuries to the nervous system that make death inevitable whatever the treatment There must therefore be some mortality but Vincent a statistics show that where the injury to the brain is not irreparable this treatment brings recovery. The best proof of this is that the patients who survive the first accident do not die miserably as they formerly did after 8 to 10 days from meningo-encephal tis be cause the operation overcomes hypertension and avoids infection Leaving out the 4 cases where death was inevitable there rema n 9 cases of recovery after trephining Vincent maintai a that this num ber of successful cases without meningo encephalitis shows that the rational treatment by early and systematic trephining with meningeal drainage should be continued until statistics are produced to show that fractures of the base of the skull c n be cured by simple lumbar puncture or by the expectant treatment

Tooth, H H The Indications for Surgical Treat ment in Intracranial Tumor Proctitie et Lond 0 4 xcs 487 By Surg Gypec & Obst.

In analyzing 407 cases of brain tumor with a iew of determining what the average survival

period was they were found to fall naturally into those with and those without post mortem verifica. tion They may be viewed from the standpoint of situation and nature of growth but all consideration of inaccessible tumors and tumors of the pituitary body have been omitted

Forebrain tumors offer no serious surgical dif ficulty as to site the casualties being common to extensive removal of bone in any part of the cranial cavity Of 161 forebrain operations, 21 1 per cent died within 30 days nearly half of these within 24 hours Of the tumors that may be removed with some degree of assurance that recurrence will not result are the endotheliomata simple cysts, gum mata and a few of the gliomata The endotheliomata are the most favorable and of 15 cases in the frontal region 8 made good recoveries and 6 of them are alive and well to date 4 to 10 years after the average survival period being higher than for any other class of new growth

Sarcomata and carcinomata are only suitable for a decompression operation while even tuber culomata cannot be treated surgically without grave risk of tuberculous meningitis The survival period in the operated gliomata cases averaged only 12 7 months from operation as compared with those running a natural course from first symptom to death at 10 1 months Of 37 cases only 4 are known to be slive The high mortality is due mainly to recurrences and even though a successful removal undoubtedly affords relief it must be remembered that the partial removal of an innocent type of ghoms may result in a phase of activity very acute and more obviously malignant than the original growth Decompression and exploration in the forebrain show a mortality even higher than that of the radical treatment but this result affords no enterion of the value of decompression as compared to the radical operation as the former have mostly been performed upon the worst cases or have been two stage operations the patient not surviving the

The results of operations on the cerebilium are generally unsatisfactory the gross mortality being in favor of decompression and against the radical

The results of surgical treatment of the extra cerebellar group are disappointing in the extreme These non infiltrating almost innocent tumors should lend themselves most successfully to opera should sent the position of the tumor pressing on the medulla renders operative interference imperative meduna render of pressure upon the vital centers is followed by orderna increased vascularity and s followed by the most that seems just fable is to relieve pressure by free craniotomy followed by decompression after as long an interval

The conditions which indicate the necessity for mmediate relief whether localization has been made or not are referable to true of intracranial pressure and suggest either a rapid phase of gr with

This table above that the local propagands of education has increased the benign lessons in which there are too per cent of curts from 4 to 18 per cent and decreased the hopeless or inoperable cases from 18 to 5 per cent

The period 1908 represents 19 years - from 1889 the period 1913 - five years

Table of Per Cent of Cures in the Operable Cases of Cancer Up to 1008

Excison of	Total	Cared	Local Reco	Total	Carel	Local
Lip feston V m and standarm	*	7~65~	Tence		- 30**	1
le statestaris Metastaris	1	**************************************		•	3 607	
Totals	44	\$10°75**	7	-	1 11	

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operation from 75 to 33 per cent
In cancer of the lip the glands of the neck beneath
the jan should always be thoroughly removed.
The probability of their involvement is at least 36

per cent

We know that X ray has no effect on metastatic glands in the neck, and we have no data to indicate that radoum will be any more effectual. Therefore granting that X ray or rad um may now and then cure the lesson on the lp, the patient still runs the rak of metastass to the glands. It as therefore radour now and the cure of the lp ye and the still runs of ray operable cancer of the lp. Of the 18 cares of malignant water which are not.

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Table Showing the Duration of the Disease in

Lesions of the Lower Lip Before Operation

Low has a month
a to do not be
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to a year
to a year
to a year

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this polarent deed of cancer of the glands of the nect. The per cent of curse, therefore in the 6 cases of cancer in which the leans had been present a smooth oles is 83 per cent as compared with the swrenge of 75 per cent in all cases. The per cent of curses in the 4 cases of cincre without mentastass to the glands is 100 per cent as compared with 95 per cent in all cases without mutastass to the glands.

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Dural P Preservation of th Upper Branches of the Facial in the Total Removal of the Parotid for Other Diseases than Canter (Conser, ton des rames a suppressed facial da le urpation totale de la parot de e debon du causer). Ret d

civ 914 Is 32 B, Journal de Chreutse to surges of the performs a hunted operation in removing tumors of the parotid gland because of the f ar of facial paralysis. It is only the eye complections that are of any real importance so that if the branches supplying the eye can be avoided the extrepation can be made more rudical and rectur

that the language zone was on the left side in right handed people and that it occupied all the combilions around the fissure of Spivine except the foot of the frontial and the ascending parteils and and it comprised two the center of the foot fast tempored the spivine except the foot fast tempored practicely of the foot of the there of the foot of the spivine except the foot of the foot of the foot of the foot of the foot sensory aphasis, as a held to be due to a lession of Westmack's zone and motor aphasis to a lesson of

Total aphana implied destruction of all the lan guage zone. Marie and Monter of age that he spatial is really due to a consider the spatial aphana and the spatial aphana are spatial aphana and the language center as described by Broen on its Motor aphana aresults from a lesson of the lentucity zone a region comprising the lentuciate nucleus and the convolutions of the lentuciate nucleus and the convolutions of the spatial aphana are spatial aphana and the convolutions of the spatial aphana and the convolutions of the spatial aphana and the difference in the two anatomical conceptions does not make any great difference in the surrical procedure.

Fromeat gives the following rule for surgeons. Motor aphasis which affects the spoken and written word is due to a lesson situated more antenorally than that for sensory aphasis. In a patient with aphasis a trephine should be made in the region corresponding to the island more especially its antenor extremity. The opening can then be prolonged for ward or backward depending on the G. Corre.

Lawroff W: Repairing Defects in the Dura by Transplantation of Fascia (Zur Frage des Fr satzs on Duradel kien durch Transplantation on Fasci) B is z kl Ck 914 kxxxx 466 By Journal d Chrouge

In 1913, Kurschner desembed 36 cases in which a defect in the dum was covered with transplanted fascia the author adds 23 more cases from the interature and 4 new cases from the Ohuchow Hospital at St Petersburg. In 5 of these cases the brain symptoms appeared a long time after the skull fracture. In one case they were caused by a sphinter of hone in the other by adhestons between the surface of the brain and the skin which followed an surface of the brain and the skin which followed an affact of the brain and the skin which followed an disson from the back. In both cases after the operation there were no further brain symptoms.

I the two other cases the shall fractures we recent in the theory of the cases the shall fractures we recent in the theory of the probaped the defect in the dram substance had probaped the defect in the dram to the accordance where we have been supported to the brain the case of th

planted fascia it was removed For a while there were no more attacks but three and one-half months later the patient appeared again as the attacks had resurred

The course of this latter case caused the author to give up the use of fascia for covering defects in the dura in fresh fractures of the skull From the published cases as well as from extensive experimen tal work the author expresses the behef that fascia an excellent material for covering defects in the dura the fascia takes well and without reaction closes the subdural space hermetically and hinders not only the entrance of injective material from without but the escape of brain substance. It also prevents herma of the brain. But adhesions between the transplanted fascia and the brain sub stance are not always avoided. The formation of these adhesions is often explained by injunes to the brain during the operation but adhesions are sometimes formed when there has been no injury to the brain whatever VOY HOLST

Diller T and Miller R T: The Successful Re moval of a Tumor from the Frontal Region of the Brain Aw J V Sc 1014 ctl il 550 By S of Grace & Obst

The first symptoms of the case were twitching movements in the epigastric region. After a time these also appeared in the left hand and arm later the arm and left leg became weak. The picture was that of pure Jacksoman epilepsy in an otherwise healthy woman of 53 jears.

The operation was accomplained in two stages, At the first operation the tumor was located just anterior to the upper portion of the motor cortex and extended up to the mud longitudinal salecus but on account of shock from loss of blood a closure was made. At a subsequent operation a few days later a tomor measuring \$ 5 x 3 5 x 3 cm was enucleated. The timo was encapsulated and was dagnosed.

as a hemangio-endothelioma
Following the second operation the patient was
paralyzed in the left arm face and leg From this
she subsequently recovered and both arms and

EUGENE CARY

Walther M Dermoid Cyst of the Inion (Lyste dermoide de l mon) Bull d l'Acad d méd 914 lun 335 By Journal de Chururge

legs rapidly became stronger

Wather has operated on two dermoid cysts of the moon The first case was published in 1896 after having been presented before the Surgical Congress in 2893. A man of 34 had a fatule at the occupital potuberance following the removal of an extra-ansal cyst Thus firstlap enetrated the skull and opened into a large intracranial cuvity. The author made an extrasive resection of the occupital boson made in extrasive resection of the occupital boson was dermoid in character in the contract of the

or an internal hydrocephalus These are (1) Interesting seeling of the optic date (2) the groner form of optic neurities particularly if there is a dunatution of visual actury (2) increasing drows ness slow cerebration and other mental states (2) respiratory distress or distributions of respuratory rhythm (5) increase in the sevenity or frequency of convolutions or deepening paralysis (6) imbearable convolutions or deepening paralysis (6) imbearable

heedach
It is usual to operate in two or more stages ac
cording to circimstances. The first stage is the
cording to circimstances. The first stage is the
cranectiony with removal of ample bone or its
retention as an esteoplastic flap, suturing of the skin
completing the first step. The degree of intra
cranial pressure may be gauged by the amount of
gaused by the touch. The site of operation will be
determined by the localizing symptoms but in the
absence of these cranections is best performed over
the right parietal region. The larger number of
firsthites occurred at any time from immediately
to 12 days after. Most of them were due to shock
regional by on best failure. These diagners are
one to be considered as the control of the
interpretabilar still less in the formal
mediately controlled to the control of the
interpretabilar still less in the formal
mediately controlled to the controlled to the
interpretabilar still less in the formal
mediately controlled to the controlled to the
monoral and tests in the certain fersion.

The sequel of the first stage as often marked in provement duliness and drownness rapidly disappearing headathe ceasing convulsions becoming less frequent and paralysis even lessening. The best evidence of the lasting relief of pressure is the improved condition of the optic dase: which may provide condition of the optic dase; which may follow and it becomes necessary to gue further relief by decompression or in spocial cases by

radical removal of the tumor

The second stage implies reopening of the sland flap and question of the dura. Thus se the critical moment in which the decision must be made whether to leave matters is they are or to strengt removal of the timor. If vasible and highly vasuallar is the major such extends the consistency soft it is almost sure to be a rapidly growing gloma to other rail gainst timor and is best left alone. If it is non-vascular perhaps cystic it again may be gloma but quescent, and should also be left alone as removal will surely be followed by malageant activity. If the growth is no endothedrom and must be removed with asferty. If the timor can be it but not seen it indicates a subcortical growth practically certain to be a gluoma and should not be touched but its permanshells to tag plomatous cyst.

Post-operative shock is generally less frequent after the second stage and the mortality is protionately low. Slight sepan of the flap is a sensial danger and septic meningits claims many. The future course of the case depends upon the behavior of the timour steel. If I continues to relative to a return of all former symptoms and the patient lapses into a vegetative existence until death. In the more favorable cases the patients lead useful lives, with little more than the discomfort of the herma for a term of years E. K. Armstrono

Thorburn W Address on the Present Position of Cerebral Surgery Med Chronde 19 4 hr 1 By Surg Gyner & Obst.

The author attempts to arrive at some general conclusions as to the final results of surgocial interference in epilepsy and cirebral tumors. In cost adding replicitive the remembered that almost any operation may produce a temporary arrest of symptoms and one must thus be certain that when a direct attack upon the probable focus of disease appears to have cured it one is not misled by a mere full in the symptoms. Cushing's figures on and 51 per cent improved. Backings of the customer and 51 per cent improved. Backings of the cases 10 per cent being cured and 70 per cent markedly improved.

The author's series consists of 19 cases which has followed for at least two years. Of these 5 are completely cured and 6 greatly impro ed or in other words over a quarter have been successfully operated. The author advases that operation be imitted absolutely to traumat cases with a definit cranial lesion or focal symptoms, as he has never seen any benefit from operation for dispatch epilepsy. Commonly adhesions of the dura to the shall or of the context to the dura are found sometimes boay spicules an ostenia, or cysts. He has never had any trouble with the cranial defect

and never had to use any artificial covering Fou hundred and ninety cases of cerebral tumor are tabulated and from these figures it may be assumed that operation was of little or no value or may have hastened the end in 37 per cent while it has probably saved or greatly prolonged life in this probably saved or greatly prolonged life in 23 6 per cent In 38 3 per cent its value was doubt ful While a cure of less than 25 per cent is not very encouraging it must be remembered that the great majority of cerebral tumors are malignant and thus we are driven to the position that with our present resources cerebral s rgery has to sim not so much at the cure of malignant disease as to the prolongation of hie the prevention of blindness and of intense headache As in the case fepilepsy mere exposure of the cerebral cortex is almost free from risk whereas deep operations upon the brain substa ce become very fatal, the dangers of ex loration being as great when the growth is not found Early decompression is advised in every case of cerebral tumor while anything else that may be done must be left to the opportunities of the moment in favorable cases E K Ausstrovo

Froment Gerebral Surgery and Recent Discussions on Aphasia (La chrunge offibrales et les discussos récentes sur l'aphas). Lyon mid 914cziu, 663. By Journal de Chrunge

Before the work of Mane and the discuss one before the Neurological Society (908) it was held

Antithyroid serum thyrodectin and rodagen are all very expensive remedies and the author has not been favorably impressed with their value Belladonna, digitalis, and the \ rays have occasion

ally been found useful

The injection of adrenalin solution 1 1000 into the pleural cavity prevents the reaccumulation of fluid after tapping but it also favors the formation of adhesions The author prevents this by injecting filtered air and paraffin This permits the whole of the fluid to be drawn off without discomfort and prevents the rapid spread of mischief in tuberculous pleurisy Though the secretions of the suprarenal and pituitary glands cannot be regulated, the high pressure effects which they produce can be controlled and furthermore the secretion of the thyroid pland can be stumulated or decreased by their

In the majority of cases Addison a disease is due to caseation of tuberculous origin which is not amen able to tuberculin treatment. The administration of adrenalm is of very little use in this condition as it is readily exidized and cannot be universally distributed to all the sympathetic nerves. To get a widely distributed effect it is best given very

dilute with a large quantity of hypertonic sodium and calcium chloride solution

Excessive activity of the anterior lobe of the pitustary gland results in gigantism if occurring in early life Later in life it results in acromegaly This excess function is associated with increased sexuality in the male and amenorrhosa in the female Excessive action of the infundibular leads to in creased metabolism and carbohydrate intolerance The extract of this portion of the gland has a mar velous effect in producing contraction of the in testine and uterus and thus is very useful in paresis of the bowel and in the so-called sapræmia following parturation in the latter shutting out further absorption. In diphtheria a combination of pitul tary extract adrenalm and a calcium salt is useful in rectifying low blood pressure and dilated heart neurasthenia with dilated stomach and cold extrem

Defective action of the anterior lobe is associated with infantilism and if there is an associated hy pothyroidism there may be also a cretinoid condi tion Infundibular insufficiency is accompanied by great carbohydrate tolerance and low blood pressure associated with such conditions as dystrophia adiposis genitalis or adiposis dolorosa. Treatment of these cases is easily regulated by observation of the blood pressure and by the freedom of the

ities is often benefited

urine from sugar E K. ARMSTRONG

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Quenu E. Early Involvement of the Glands in Gancer of the Breast (De l'adénopathie précoce dans le cance d' ser) B II med 1913 EVI 1939 By Journal de Chirurgie

The axillary glands into which the lymphatics of the breast flow are invaded in cancer of the breast by colonies of cells from the mammary tumor Surgeons have been trying for a long time to settle the question of the time at which this invasion takes place As early as 1888 Delbet found from a study of the statistics and his own cases that in general the involvement of the glands is very early and that it exists before it is charcally demonstrable

In the present article Quenu shows by two of his own cases that my olvement of the giands may precede the initial nodule of the breast that is that the glands may be easily palpable while the mam mary nodule is still so small and insignificant as to escape detect on or at least be doubtful. Chinically the glandular involvement comes first while the mammary lesson remains uncertain. Thus involvement of the glands of the axilla is not only early

but t is the sign which reveals mammary cancer The practical conclusion to be drawn is that an affectio of the axillary glands hard in consistency should be an object of suspicion if it is observed at bout the age of 45 and if nothing in the general conditio or the neighboring tissues gi es a satisfactory explanation of it. The same course should be taken as in a doubtful cancer of the breast uncertainty is not permissible J DUMONE

Nathan M : Early Diagnosis of a Neoplasm of the Breast by the Histological Examination of the Hermorrhagic Discharge (Diagnostic précoce d'un ntoplasme du sein par l'examen lustologique de son suntement hémorrhagique) Cl siqu 1914 38 By Journal de Chirurgi

Mintz recently called attention to certain neoclasms of the breast the symptoms of which were limited for years to a bloody discharge from the mpple Nathan recently had a case of this kind and he was able to make the diagnosis by the histological examination of the discharge

A woman 40 years old apparently healthy had complained for several months of a bloody discharge from the left nipple She had nursed several children, the last o e 15 years before but an abundant milk secretion had kept up since that time By pressure on a certain point on the breast a brownish liquid was discharged resembling in color the hamorrhagic effusion in cancer of the pleura Examination of the nipple and palpation of the breast did not show any tumor The axilla was free of glands In spite of the negative symptoms the most probable diagnosis seemed to be cance of the breast Microscopic examination of the fluid confirmed this diagnosis, showing the presence of

The second case not previously published was in a child of three It had an ulcer a centimeter in diameter at the imon following the incision of a swelling which appeared to be a cold abscess Below the ortice there was a deep swelling which extended under the upper insertions of the muscles of the nape of the neck. Upon operation after the fistula and the adjacent cavity were curetted it was found that this cavity communicated through a tolerably large opening with another intracramal cavity. A granular mass was dissected the size of a small nut made up of small lobulated tumors with grayish contents and fibrous nodules which was located at the upper insertion of the muscles of the nape of the An extensive resection of the occuput was then made exposing the intracranial pocket which was located superficially between the cerebellum and the occupital bone. The cavity was lined with a very thin smooth membrane which it was impossible to separate from the dura mater Healing took place by second intention Ili tological examination showed that the wall was dermoid in nature but with out either hairs or glands The extracranial tumor was made up of f brous masses which had undergone angiomatous change in places. The pritient when seen again thirteen years later showed a smooth slightly depressed scar. Touching it caused a dis-agreeable sensation with fired ation to the thorax and a sensation of nausea

These two cases seem to confirm Lannelongue's theory of inclu ion. The immed are and late results in these two cases show that it is possible to limit operation to extensive resection of the bony wall of the cystic exist), leavy gopen the dermod pocket the edges of which unite with the cutaneous sear.

Camus, J and Roussy G Hypophysectomy and Experimental Glycosuria (Hypophysectome et glycosuria expé mentales) Compt read Soc de b el Par 1914 l v1 99 By Journal de Chirurgie

In a preceding note the authors made an experi mental study of polyuma and polydipsia appearing after operations on the hypophysis. In this note they take up the question of glycosuma under the same conditions They made a systematic study of th sugar ; the unne of dogs before and after operation which there were lesions or destruction of th hypophysis or the neighboring part of the brain Their results were as follows Absenc of glycosuris in 30 cases of les ons or destruction of the hypophysis beence of glycosuria also in 9 cases of lesions of the base of the brain in the region of the hypophysis positive glycosuria in 6 cases of lesion or destruction f the hypophysis o ne ghbor ing parts of the brai This shows that glycosuria is an u usual phenomenon after operation on the hypophysis or neighboring parts a there were only 6 positive cases out of 45 Moreover it is only tem porary Glycosuma is not always a sociated with polyuma wh h is more consta t

The authors believe that glycosu is after hypo-

physectomy is only a chance incident 1 ke other post operature glycosurias. It seems to depend less on partial or total suppression of the hypophysis than on liquiry of the nervous centers of the region, as is shown by the group of four postitive cases out of six where there was a lesson at the base of the brail sufficient to provide glycosuris PEREZ CENTY

NECK

Barr J: On the Functions of the Thyroid the Suproren 1 and the Pituitary Glands Proc i oner Lond 19 4 xcu 457

As a result of the attention bestowed upon the ductless glands there are now some potent and extremely useful remedies but a clear conception of the suitability of thyroid subgrateral and puts

tary extracts should be had before they are used. Thyro of madequacy was designated by Ord as my acedema. It is about seven times more common in women than men probably because overaction which is a common in females is apt to be followed by lessance distriction. In males the thyroid is less much more as hence the blood present glands are not those to be followed there is more retention of calcums asias and actero-sclerous occurs earlier. Thyroid has proved of value in the incontinence of unne in children, in the troublesome micturition of the aged in mastinguam and in cases of large prostate. Tayrold of importance abecuever one wastes to increase and the continuous continuous and the con

There are an enormous a mber of cases of hyper thyroid sm without exophilations enlargement of the gland o marked nervous symptoms but ne may observe emotional and somnotor daturhances a warm mosts als act e capillary circulation fly even pressure rapid heart action necessed reflexes, and e n a slight muscular tremor. The unper may contain album a nnd is associated with

lessened amount of fi ed lime in the blood. In m ny cases there is an accompanying diminished action of the suprarenals with skin pigmentation and low blood pressure This increases the gravity though the symptoms are not more marked there being less cardiac stimulation and less palp tation. In hyperthyroidism there is a great difference between the systolic and dia tolic pressures, which means an inefficient circulation and it is for this reason that suprarenal extract plays such an un portant part Barr believes that the soluble salts of calcium combined with adrenalin constitute the best remedy for this disease. Suprarenal and pitu t ry secretions help retain the lime salts in the tiss es but the latter should only be used when th blood pressure is low and one believes the suprarenals to be in ctive. As the improvement advances there may be found too much lime in the blood and t sauce with a slow irregular heart action. In that case ntal should be lessened and elimination hastened with citric acid

Antithyroid serum thyrodectin and rodagen are all very expensive remedies, and the author has not been favorably impressed with their value Belladona, digitalis, and the A rays have occasion

ally been found useful

The injection of adrenain solution 1 roco into the pleural cavity pervents the reaccumulation of fund after tapping but it also favors the formation of adhesions. The suthor prevents this by injecting filtered air and parafilm. This permits the whole of the fluid to be drawn off without discombort and prevents the rapid spread of muschief in tuberculous pleursy. Though the secretions of the supraemal and printiary glands cannot be regulated the highest pressure effects, which they produce can be controlled, and furthermore the secretion of the thyroid gland can be stimulated or decreased by their

In the majority of cases Addison a disease is due to casestion of tuberculous ongsus which is not amenable to tuberculin treatment. The administration of admaints of of very little use in this condition as it is readily outdued and cannot be unwersally databated to all the appurature arrows. To get a wately distributed effect of a beginning of the properties of the account of the properties outduring and calcium chloride solution.

Excessive activity of the antenor lobe of the pituitary gland results in gigantism if occurring in early life Later in life it results in acromegaly This excess function is associated with increased sexuality in the male and amenorrhoza in the female Excessive action of the infundabular leads to in creased metabolism and carbohydrate intolerance The extract of this portion of the gland has a mar velous effect in producing contraction of the in testine and uterus and thus is very useful in paresis of the boxel and in the so called sapræmia following partuntion in the latter shutting out further absorption In diphtheria a combination of pitui tary extract adrenalm and a calcium salt is useful in rectifying low blood pressure and dilated heart neurasthema with dilated stomach and cold extrem ities is often henefited

Defective action of the anterior lobe is associated with leafantism, and if there is an associated hypothyrundism there may be also a crossion of control and the properties of the control and the cont

SURGERY OF THE CHEST

CREST WALL AND BREAST

Quénu E.: Early Involvement of the Glands in Cancer of the Breast (De l'adhopathie précoc dans le cancer du set) B ll ned 1913 xxvii 1039 By Journal de Chrurge

The axillary glands into which the lymphatics of the breast flow are invaded in cancer of the breast by colonics of cells from the maintancy tumor Surgeons have been trying for a long time to settle the question of the time at which this invession takes place. As early as 1885 Delies found from a truty place. As early as 1885 Delies found from a truty place. As early as 1885 are to the control of the the involvement of the glands is very early and that it entitle before it is chilically demonstrable.

In the present article Quenu abova by two of in som cases that involvement of the glands may precede the initial nodule of the breast that is that the glands may be easily palipable while the main mary nodule is still so small and inaginificant as to exape detection or at least be doubtful. Clauseilly the glandular invol ement comes first while the mammary lesson temants uncertain. This involvement of the glands of the sailla is not only ea ly but it is the sign which revests mannany cancer

Th practical conclusion to be drawn is that an affection of the aullary glands hard in consistency should be an object of suspicion if it is observed at about the age of 45 and if nothing in the general cond tion or the neighboring tissues in ea astis-

factory explanation of it. The same course abould be taken as in a doubtful cancer of the breast uncertainty is not permissible I Dunoys

Nathan M Early Disgoots of a heeplasm of the Breast by the Illstological Examination of the Breast by the Illstological Examination of the property of the property of the property of the neoplasme du sun par party of the property of the sunstement himorrhadour. Chinge 1914, 13 sunstement himorrhadour. By Journa & Christope

Mints recently called attention to certain neoplasms of the breast the symptoms of which were immed for years to a bloody discharge from the nipple. Nathan recently had a case of this kind and he was able to make the diagnosis by the histological examination of the discharge.

histological examination of a parently healthy had a woman any pears old apparently healthy had complianed for several months of a bloody data charge from the left upple. She had nursed several data from the left upple is health and she had a she

I Denove

cyted agnosis

abundant large and small polymorphous cells isolated or in groups. There was no doubt of their neoplastic origin

These early bloody discharges are characteristic of intracanalicular papillary epitheliomas their point of origin seems to be the galactophorous ducts

The above case presents the unique point of hiving oriented in a gland with abnormally prolonged activity. The theory of cellular metaplasia is supported by this fact. The practical conclusion to be drawn from the crase is the possibility of early

Mercadé S : Tuberculosis of the Costal Cartilages (Tuberculose des c rulages cost ux) J d h 1014 xm 159 By burg Gynec, & Obst.

It has been generally beld that tubercular abscrees of the sail of the thorax ondinate in the bone that there was no such thing as privary tuberculous of the cartilages. Meriade reports a xaxes in which there were tuberculous abscrees onguanting in the costil cartilages. The pain its were men between 35 and 160 and 10 the boman of 35. The abscrees dut on threelynd downsard but work forward through the intent cas between the muscleform.

The cases were successfully operated on by the

following technique

In the first step it is absolutely necessary that the whole extent of the les as be exposed therefore a skin flap hould be trac d l rge enough to take in the whol affected area. The point of origin of the lesion should be letermined by pain on pressure This should be the base of the flap. The incision should be begun in healthy skin and carried are ad the abscess a or 3 cm from t and come up on the other side parallel to the first line If instead of an abscess there is a fi tula it breetion should be determined by a sound an I the flap trace I aroun I it with the base perpendicular to its point of origin If it becomes necessity to nlarge the flap the inci-sion can be prolonged. The flap should then be dissected. In doing this, two things should be avoided - opening the abscess and perforting the skin If the Lin is adherent to the wall of the abserts it is better to open the abscess protecting the neigh boring tissues and leaving the fragment adherent to the skin rather than to perforate the skin in the attempt t if sect it or thin it to such an atent that it will be perforated by gangrene later. The dissecwhich should be curetted negetic By and cauter used with sing blor le When the flip is completely dissected it should be turned back on its base an i covered with sterile dressings

2 The second step consusts of estimation a, the second step above or fatult. In opening the bases every precast in should be taken to protect the neighboring parts. It is best to open it with a large troors and dry the pocket wit compresses. The abserts about then be I thown up until the organic lesson is discovered. It it is a fistula a

sound in its lumen should guide the dissection. If the skin flap is not extensive enough it should be uncovered and the lateral incisions prolonged as far as precessity and the flap dissected farther with the same care as before

3 The third step is resection of the cartilizer. The lesion having been found the carrilage should be incised with a bistoury from before backward at a distance of t or a cm on each sal of it When the fragment is separated it shoul I be lifted careful with the fingers not with forceps which in ght crush the cartilage and injure the pl ura If several carti lages are allected they should be removed separately sparing the costal arch but if the costal arch is it sell envolved it should be removed, the piece to be remo ed being separated with the bistours in each case before it is I fted up from the un terlying tresues. The un leriying tissues should be examined carefully and any su pected point removed e en if it is p cura. If the pleura is opened by design or accident the thorax shoul! be compressed above the point and the pleurs sutured with catgut

4. Closure and dramage of the nound compuses th fourth step A dram should belt for two days either at the angle of the incuson or through as notice made in the flap. I are must be taken to an O d at ad space in closure the wound. It is greatly sufficient after having natured the slan to early sufficient after having natured the slan to pressure to produce the dee red result. If accessing a few satures may fix the skin day to the floor of the wound. They must be applied with cure remembering the negatives of the pietrus.

If the abscess is in the abdominal wall especially under the rectus which the place to which it in grates most frequently it is necessary to section

the mu-cle

After th operatu n, if the operation requires the cutt on ginto bone tower there will be a dascharge hirst libood and these of serous fluid. Here the serous all of the datum the dressing should be aromated every two day, to see if there is a guarantee every two day to see if there is a particular to the between two surfaces and the fluid separated to the sound restricted. This is addition required under this concer of surfaces and the fluid separated to the sound restricted. This is addition required more than concer of surfaces are more than concerned to success the surfaces are sufficiently as the surfaces are suffici

Pot I Sarcoma of th Scapula Partial Rescribes of the Scapula with Preservation of the Shool der-I int Good Function I Result Two a done-I laid Town after the Operation (Sarcoma done-I laid Town and Company) of the Company of the Co

The case reported was a surcoma with fusiform cells about 7 cm in d ameter that had in ofteed attensit the whole exceptla and the attached muscles and which Potel contrary to the issual practice tested by partial accaptedcomy sparing the whole shoulder joint. This course seems to have been just field by the results for at present—two and one half years after the operation—the patient has had no recurrence and has complete movement

of the arm

Quest believes in preserving the glenoid fossa and if this is impossible he thinks it best to fix the head of the humerus at the external end of the clavicle

BROCA performed extensive resection for a my cloplaxoma of the pune of the scapula tumors can be differentiated from the osteosyrcoma ta by their chincal course as well as by the radio graphic picture. They develop slowly and in the radiographic picture are easily distinguished from the bone and neighboring soft parts by their uni form gray color They should be simply excised when the region permits otherwise they should be curetted out without its being necessary to fill up

the cavity or perform a bone graft as Delbet WALTHER said that in a case of resection of the radius for myeloplaxoma with bone graft recovery had been greatly hastened by the graft \s to small cell sarcoma he had only seen one case of recovery after partial resection a case in the alveolar border

of the jaw where in spite of the I mited resection there had been no recurrence more than two years

after the operation DELBET finds that filling up the cavity left by the removal of bone has considerable advantage These cavities are mainful to the nationt, they suppurate every dressing is torture and they have to be dressed often After they are filled they only need to be

dressed sarely and the nationts no longer suffer SAVARIAUD agrees with Delbet that it is much preferable to fill the cavities I Dusto T

Hirano, T Transplantation of Fascia to Cover Defects in th Wall of the Thorax (Die freie Fascientran pla t tion ur Deckung on Thorax w nddef kt) B i kl Ch 913 lxx kt) B i ki Ch o By Zentralbi i d ges Chi u 218

The author describes experimental attempts to replace defects u the wall of the thorax in such a way as to give sufficient firmness to prevent hern a

of the lung and to avoid adhesions of its surface Transplanted fascia lata was used in rabbits and dogs I order to prevent adhes one of the surface of the lung to the transplant a partial pneumothora was left or induced by the introduction of a trogen F free experiments were made. In 8 of them there was infection but in spite of that fact the transplant took in the 7 aseptic cases the fascia I ved in the histologi I sense There was complete lack of lung dhesions in 3 septic cases and z infected rabbit case and only sight adhesion in infected aseptic cases in rabbits. There were broad superficial adhesions in two aseptic cases in dogs

The pleural endothel um had covered the internal surface of the tra pla t in a specimen 7 days old and in a specime t 54 days old there was almost normal pleura f rmation

In this method therefore adhesions of the lung can be avoided if the course is asentic and if by penumothorax the surface of the lung is kent from coming in contact with the transplant till the pleural endothelium has covered its internal surface

HELLER

Lenormant G. Chondrectomy to Mobilize the Chest Wall in Deformity of the Thorax (La chondrect mie mobili strice dans les del m t na thoraciques accompagnées d troubles respira toires) J de ch r 1914 XI 145

By Surg Gynec & Obst.

Freund believed that in tuberculosis and emphy sems of the lungs the deformity of the thorax is often the cause rather than the result of the pul monary disease and therefore recommended resection of the costal cartilages in the treatment. This has not proved practicable in tuberculosi because it i of no benefit except in such an early stage that medical treatment is effective in emphysema how ever the operation has been performed about a hundred times with excellent results

There are other deformities of the thorax bow ever in which Lenormant believes the operation would be effective such as those of scoliosis rickets ankylosis of the vertebræ and in the rather unusual congenital funnel shaped chest when it is so marked as to cause displacement of the heart and difficulty in respiration. He cites only four cases in which the operation has been performed for these reasons. In two of the cases there was pigeon breast as the result of rickets with considerable shortening of the trans verse diameter and both patients had typical auth matic attacks with more or less disturbance of respi ration during the intervals one patient had a con genital funn I shaped thorax with shortening of the antero posterior diameter and one was a case of ankylous of the ertebræ with flattening of the The two latter suffered from continual dyspacea w thout any paroxysmal attacks. In all of them the thorax was so rigid that respiration took place only by the movements of the diaphrapm

The technique f resecting the costal cartilages is so simple that it does not need description only question seems to be s to how many should be resected and whether the operation should be mlateral or bilateral The author believes the resection should be extensive and contrasts the par tial success in Meyer's case who resected only two cartilages with the brilliant results in Klaon case where the cartilages from the second to the eighth inclusive on both sides were resected. In all the cases the mmediate results were satisfactory mobility of the ribs became apparent on the operat ing table and there was improvement in respiration and disappearance or decrease in the dyspinora

The late results in Meyer's case are not known in Llapp they were excellent aix months after the

operations and in the other two there was great permanent improvement in the general condition but the attacks of asthma continued though they

were not so frequent nor so severe as below. One of these cases was operated on a second time a pseud arthrosis being established at the sternum with marked improvement. The Cheel danger in the late results of the operation is the regionation took place in splits of the removal of the perchondition and interposting muscle. The best means to prevent this is to keep up respiratory gymnastic exercises and this is an essential part of the treatment. Supplemented in this way the author believes chondred to may so figure value in deformed and right chords.

Leriche: Emphysema Treated by Freund s Opera tion (Emphysème traité par l'opération de Freund) Lyon mes cam No. 1 28

By Journal de Chirurgi

Lenche describes a case of emphysema with a dilated mend chest in which Freund's operation was unsuccessful and discusses the causes of this failure The patient was a man of 62 who had had emphyse ma for a long time Lenche resected the third fourth fifth and sixth costal cartilages, but from an error in counting the second was spared and it sufficed to keep the thorax as rigid as before. It is evident that this cartilage should also be resected which will probably produce the desired result The interesting point is that in performing Freund's operation the cartilages must be resected until the one is found that is the key to the thorax as soon as it is resected the thoracic wall is mobilized is not always the same in this case and another operated upon by Lenche it was the second which seemed to control the ankylosis. In a third case it was the third and fourth G Corre

Uffreduzzi, O Experimental Surgery of the Organs of th Medisatioum, Except the Heart (Contribution à la churuge expérimentale des organes du médisatin le cœur except) Polici Roma, 29 4 xzi 3 By Journal de Churuge In spute of the brevity of this paper it is difficult

on spin bred extract of 1, because of the about control of the con

In collaboration with Guordano Uffreduzzi has modified Roux technique for exophago-intestinal sunsationess in case of stenous of the exophagus. The first stage is a lateral laparotomy the jeju num is sectioned 40 cm below the disodenojejuzil angle the distal end of the intestine is brought for

ward and sutured to the proximal segment about 60 cm below the point of section. The trunk of the jejunum is introduced under the skin of the thorax. Through its ornice the sumal may be nounshed, excluding the stomach.

The second stage consists of another laparotomy and the opening of the intestine into the stomach The two organs are already adherent or are placed in contact in the most favorable position. After that the food may pass through the stomach or may be forced to pass, if wished, by obliterating the jejunum below the gastro-enterestomy Only the anastomosis of the resophagus with the rejunum remains. He operates by the thoracle route and performs an end-to-end anastomosis in the open mediastmum. The suture in two stages holds well the vitality of the segment of intestine is preserved provided it is not carried up further than a third of the thorax This complex operation is preferable to that of Roux, there is less danger and difficulty and it is applicable even in cases of tumor of the cesophagus The new resophagus is in a better posi tion to functionate because of the lack of sutures Its chief indication is in tumors of the ersophagus situated low down

The author then tried replacing a resected seg ment of the cesophagus by a sort of tube obtained by rolling up a parallelogram cut from the wall of the stomach and left adherent at its base in the lesser curvature The tube is carried into the thorax and brought into contact with the upper end of the ecsophagus to which it is sutured. A number of experiments were performed on the descending aorta in collaboration with Giordano They found that hamostasis of this vessel by compression could be maintained for 13 minutes without any harm and for 15 with only aconsequential symptoms Arrest of the blood for as long as 20 minutes was fatal but the most complex operation on the sorts can be performed in 12 to 14 minutes For the end to-end anastomosis of vessels after the resection of a seg ment they have devised a method superior to Car rel s as t produces a tighter suture. The two ends are united at a point on the posterior side of the vessel and unside One of the ends of the suture is used as a continuous suture hall-way round the vessel then they return to the original por t take up the other end of the suture and sature the other half until the first one is met. This requires only 8 to 10 minutes the suture is absolutely water tight and does not cause at nosis Experiments on thoracic duct were performed with Rinaldi were truck by the senousness of le duct they are fatal in half the c below the lesson is recommended the duct by the thoracic route s abundant meal. It is very fr ligated without injury of an circulation is est blished from work surrounding the d et If may be highted not at the p further up at the most access

collateral circulation is established which takes some time the wound has already cicatrized

The pulmonary artery was utilized to perfect the technique of Trendelenburg's operation operation has never given any definite cures but it is logical and worth while to estable h the conditions under which it may be performed A simple inter costal incision in the third space suffices to expose the perseardium and the intraperseardial course of the aorta and the pulmonary artery The circula tion in these vessels may be interrupted by means of a rubber tube for thirty minutes without any in jury a time long enough to open the pulmousry artery extract clots and close it upagain Uffreduzer uses a special fenestrated forcers by which it is possi ble to suture the edges of the vessel wound while allowing the blood to circulate But he prefers a transverse to a longitudinal inci ion as it renders exploration easier and more ranid

There is little to be say I of the superior and inferior vena cave. It is known that it is always fatal to The higher up the ligation of the heate them inferior vena cava is the sooner death ensues. It is certain that suppression of renal or hepatic function is incompatible with life but death in such cases comes on too quickly to be attributed to anyth ug other than a mechanical cause the blood that flows into the heart is insufficient to produce mechanical functioning of the heart. The details furnished by intrathoracic section of the vagus nerves are less interesting Without passing judgment on Franke's operation Lifreduzzi maintains that the intrathoracic route gives the best access to the intercostal nerves but he ays he h s ne er located the spinal ganglio by this route with certainty

PIERRY LEGEL

TRACHEA AND LUNGS

Graser Surgery of the Lungs and Pleura (Erfahrunge übe Chrunge d L. age ad Pleura)

B ii kl Ch 10 4 kxx iii 67

By Zentralbi f d gis Chi Grenzgeb

By Zentraibl f d gts Chi Grenzgeb This work describes a series of clin cally interest ing cases of surgery of the chest which serve as a

basis for a general discussion of this field of surgery which is still in process of development

In the treatment of empyema rib resection with rapid thorough emptying out of the pus is the operation of ch ice the after treatment consists of freque t forced respiratory exercises In putrid empyema good esults are obtained by disinfecsolution of collargol then filing the tion with cavity with co centrated carbolic acid irrigation with alcoh 1 and filling with bismuth paste (1 case) In chronic empyema I rihes suction drainage was often uns cressful Extensi e plastic operations had to be undertaken In one case of which the history is gi en these operations had to be repeated freque tly and combined with pneumolysis and plastic operation with flaps

An unusual case was that of a one-year-old

child in which after a croupous pneumonia a pyopneumothorax developed for which no ex planation could be found

3 A case of putrid abscess of the long was first treated in an by artificial pneumothorary and finally cured by extensive nb resection handection of the large cavity and filling it with biswinth prate Another case of abscess of the lung which was treat ed by unsufficiation of mitrogen into the pleural cavity aboved temporary improvement but finally death resulted from embolism of the lung.

4 In a case of tubercular pyopneumothorax an extraplear in plastic operation was done on the thorax without effect. A peculiar method of determining the seat of the lung fistula is described in the article § In the treatment of bronchectasis opening and external derinange did not give very satisfactory results (4 cases). Better results were obtained by extrapleural plastic operation.

HEART AND VASCULAR SYSTEM

Aulong and Boudo! Immediate and Late Resulta of a Suture of the Heart (Re ultats immédiats t élognés d'ne s' ture du cœur) Presse méd 1913 zul 20 7 By Journal! Chicurg

The authors report a case of injury of the right author caused by a sharp instrument. The signs of injury of the heart — pallor angush threadlike pulse distaint and dullbear sounds—serve very clear Operation was performed a half hour after the performance of t

and a unit condensity in the weedship towns of milest the physical tary service and sans shie to pass the physical examination. During his two years of service had no indisposition due to his cardiac lesion. The beart functioned normally with almost complete anatomical untegrity. The only abnormality was a slight cardiac hypertrophy accompanied by a luttle cardiac hypertrophy accompanied by a luttle cardiac hypertrophy accompanied by a luttle cardiac hypertrophy accompanied by the spectrophical heart, these signs being correlated by pulse transpian of radiographic examinations.

ation I Denoce

Wil Leriche and Mouriquand: Brauer a Operation in a Case of Uncontrollable Asymble in a Child (Operatio de B ne dans un cas daystole préductible he l nfa t) Lyo méd 1914 cent, 246

By J urnal de Churuge

The case was in a child of 14 with a mitral lesion due to rheumatism. There had been asystole for

two weeks which resisted all medical treatment operation was a performed under other and as a well borne. At the end of a week there was considerable improvement but soon the child had another attack of rheumatism and died a few days later with complete asystole. Autopsy was not performed but it is practically certain that the aggravation was due to a new attack of theumatic endocathis. Whatever the trason there was not the rapid improvement in the first few days alter the operation that is general

Another case was that of a carpenter of a streated for a double serofixnous tubercular plearay. During convolencence ages of a state appeared as medical treatment finited cardiolysis was per formed. The result was excellent and at present you and a half years later the patient is working at two and a half years later the patient is working at the bours a day. The improvement persults although one sectence conference conference conference conference of the contract of the co

Gardère P C and Arnaud Braner a Operation in a Case of Tubercular Adhesions of the Peri cardium (Opérat a de Braner dans un cas de symphyse t berculeuse du péricsar) Lyon med 19 4 carta 195 By Journal de Churarge

From the discussion on Branet's operation it seems that although it is difficult to define its mode of action it is the best treatment in adhesions of the percentaginal and mediastimus when they case asystole but in asystole due to carduc leuous the results are less satisfactory. A case operated upon by Armand was a woman of 42 who had a left pleurary and then a right pleurary in October 1912 in January 1913 symptoms of adhesion apocared 170m January to July the had thoracentess per 170m January 1914 of 1914 the present of the present times 19 liters of fluid being transvel to the present times 19 liters of fluid being transvel to the present of the present

SURGERY OF THE ABDOMEN

ARDOMINAL WALL AND PERSTONERS.

Dandy W. E. and Rowntree L. G. Peritoneal and Fleural Absorption with Ref rence to Postural Treatment A. S. g. Phila 014 lix 587 By Surg. Gypec & Obst.

The authors review briefly the po tural treat ments which have been used giving the reasons advocated by the various authors for advocating the methods after which they enter a discussion of experimental a rk of the r own to determine the manner and rapidity of absorption from peritoreal and pleural cavities and the value of various postural methods The basis of postural methods of treating peritonitis was I on Recklingbausen's claims (1863) of open stomata which established direct communi cation between the perstoneal cavity and the lymphatic system thus affording a rapid absorption of peritoneal fluids. These atomata were thought to be limited to the central tendon of the diaphragm Kallosow Muscatello and MacCallum have proved the stomats to be artefacts. Muscatello however maintained that an intraperitonesi current carried the fluid to the central tendon of the diaphragm this latter be considered the exclusive absorbing area of the perstoneal cavity

Clark in 1807 ad ocated elevating the foot of the hed so degrees in the treatment of peritonius arguing that gravity w uld lasten the current and increase absorption Clark humsell no longer uses

Fowler in 2000 advocated the atting posture in treatment of pertinents thereby hoping t retard the intrapentoneal current and thereby favor the accumulation of fluid in the pelvis where absorption was considered mum !

Coffey has ad ocated a combined I teral and head

up position Mister utilizes the ventral position Experimental work by Starl ng and Tuby (1894) proved that absorption was into the blood stream and not into the lymphat or Mendel (1898) and

the whom are in accord with Starling and Tubic Dandy and Rowntiers after uspect in plenoids phone pitch and Rowntiers after uspect in plenoids phone pitch all right in the line personal cavity recovered it from the blood in 10 of amounts if some the unae in 4 to 6 minutes and from the lymph (thoracle due) in 20 to 60 minutes. In one hour 4 to 10 ope cent was recovered from the unne only 0 1 per cent was recovered from the unne only 0 1 per cent was recovered from by mph in one hour. This is true irrespect e of the position of the animal following the innext on Absorption is about entirely by the

blood.

The results of experiments to determine the effect of posture on the rapid ty of absorption from the peritoneal cavity is as follows

I Active absorption in all postures

The absorption in head-down position is the

2 The absorption in head-down position is the same as in ventral and dorsal positions 3 The absorption in the pelvis down position

is 13 per cent less than in the other three posit as For this we have no adequate explanation

ISDORE CORY

Pikin F M Experimental Study of the Treatment of Peritoniti (Engle expenses ils U teruchungen r Irage d Peritoninsbehanding) Besi hi Ch o texti 5 By Zentralb i dges. Ch Grengeb

In purulent perito itis Hirschel recommended that no to 300 gm of a r per cent solution of camphorated oil be pour of into the addomnal cavity claiming that among other effects it prevented the formation of address as To test the ruth of that, the author und riook experiment on dogs. He found that camphorated oil had no effect on the course of the disease the animals treated with it dued at about the same time as the control animals In spite of these results he tried camphorated oil in 8 cases of purulent peritonitis without any results

Another sense of experiments on rabbits was then tried. The serous surfaces of the large in testine were sutured to one another and after two weeks the abdominal cavity was again opened and the adherious freed camphorated oil was poured into the abdominal cavity of some of the rabbits and the others were kept as controls. Camphorated oil was all o poured into the abdominal cavity of

some normal rabbits
On opening the abdominal cavity two weeks
later it was found that a scrous crudate had formed
After two more weeks there was an extensive fibrous
deposit covering the intestine and this disappeared

two weeks later

From his experiments the author comes to the
conclusion that camphorated oil has no effect on
the course of purulent peritoritis and that in ad
heave peritoritis it not only does not prevent but

rather promotes the formation of adhesions
\text{\text{\text{o}}} Ifotser

Kaufmann C. Examination for Abdominal Hernia (De U try hung auf U t le bs ruch) Cor Bi f schee Arzi 9 4 1 73 ByZe trail f d ges Chu 7 1 Greaugeb

Large abdominal hermas can always be easily diag noved the only difficulty being the distinguishing of an ingunal from a fem ral herma or the confusion of an ingunal herma with a cold abscess and the different forms of hydrocele and of a femoral herma

with a varix of the saphenous vein

The author go es a special method for demonstrat ing beginning or small bernias in either the standing or lying position. In standing a sharp bending backward of the trunk causes tension of the anterior abdominal wall so that palpation or sometimes even inspection allows the demonstration of the presence of a rupture. In the inguinal region the spermatic cord is taken between the thumb and index finger to see whether the cord swells when the trunk is bent backward and the patient coughs Examination in this position has the advantage that by tension of all the layers of the abdominal wall an interstitial inguinal hermia is fixed at the internal guinal ring and cannot escape unobserved The author has verified the correctness of this method of diagnosis by radical operation and now as a general rule operates also on the apparently healthy side confirming Gelpke's results who in So per cent of all operations for inguinal herms in young people found a completely formed hermal om long on the sound side The bending back of the trunk has the same advantage in femoral herma The examination in the lying position th t follows determines the degree to which the h rma can be replaced and the condition of the hermal opening and canal

In examination for the military service life insurance or the railway service the examination in the standing position is sufficient while evan hation for accident insurance should also be per formed carefully in the recumbent position

Kaerger.

MacLennan A The Simplified Operation for

By Surg Gynec, & Obst. C rc 10 4 xcm 357 The ordinary treatment of a hernia in an infant is by the application of a truss or of a skein of wool or by incessant reduction. With this treat ment the author takes issue and claims that though the eac becomes untenanted it nevertheless remains a sac and the notice remains up- To let presence of so many unoccupied sacs found in the cadaver and during operations goes far to prove the permanency of the sac and in view of the fact that the anatomy of herma in infancy is identical with that of later life it is clear that any form of treat ment which does not obliterate the whole sac is useless So many cases are met with in adults with a history of an infantile hermia said to have been cured that the author claims it is doubtful if such cases were cured and practically certain that no one ever develops a herma who has not had since

infancy a sac ready formed The author is in favor of an early operation in all cases of infantile herma. The procedure is as follows If phimosis is present the child is circum cized at least one month before the proposed rad cal operation The skin is prepared with sorp and water and alcohol and chloroform is used as a general anasthetic. The incision is made over the internal ring and should not exceed three-quarters of an inch The deeper tissues are racked apart by blunt retractors The sac and cord are identified and picked up and drawn out of the wound The sac is separated by wining with gauge. The sac is treated by the Macewen method the crumpled un sac serving as an efficient plug at the internal ring In young ch ldren there is no need for careful deep suturing of the structures as in an adult is closed with two or three silkworm sutures and a thin roll of gauze and adhesive used as a dressing Elaborate dressings only annoy the infant and are unnecessary The child may go home as soon as it recovers from the anæsthetic and should return in one week for removal of the sutures

J H SEILES

Duval P Congenital Diaphragmatic Hernia Left Subcla Icular Appendicitis (Hernic diaphragmatique congénitale ppendicite sous lavolaire gauche) B il et m m see de ch P r 953 32323 573 By Journal de Chi rgie

A boy of years had been all since his birth complaining of pa in the left side of the thorax It appeared spasmodically with irregular difficulty in respiration and heart disturbance. Twice he had attacks accompanied by fever and vomiting.

140 Results of

Results of auscultation were variable and puzzling and a certain diagnosis could not be made until rate tography showed that the execum and the ascenting and transverse colon were in the left industrial cavity.

Left epiga tric transverse laparotomy was per formed and it was found that the orifice of the disphragm was back of the gr ter curvature of the st mach The incision was prolonged to the posterior angle of the eighth rib the whole rib resected and a large opening made in the pleura Almost the whole of the small intestine the cacum and the ascending and transverse col n were found in the thoracic cavity and were fixed by adhesions The cucum was thickened and inflamed the appendix was enormous and surrounded by old caseous foci the results of numerous attacks of appendicitis. The adhesions were freed and the anoun its resected Then without much pain the mass of intestines was replaced in the abdom n The diaphragm was reconstructed by suturing the th rax and abdomen were suture ! The pleurs was punctured and the lung seemed to dilate auscultation revealed breath a unds under the scapula. The child died the next morning with a pulse so rapid that it could not be counted though the resturation was relatively normal

This case of subclassicular appendicus in a chaphragmatic herma is rare perhaps unique. The diagnosis of diaphragmatic herma is almost impossible because it is manifested only by algan forcius in Radiography is of the gri acts value. The only way of operating successfully and obliterating the abnormal ordice is through the thorax.

Two cases of lasphragmat c hera are reported both of which were found only on autopsy though one of them had been operated upon twice for symptoms of occlusion the cause of which remained unknown. He believes that such lesions can never be aucressfully treated by laparatomy though the horacic route g ves free access J Denov?

GASTRO INTESTINAL TRACT

Schmieden Thrmann and Ehrenreicht Modern Diagnous of Stomach Diseases Verified by Forty Operati Cases (Modern M. gendagnos t. I in do a do operati Tille genult) W. d. Gr. gt d. M. d. Gr. gt d. XXX. 479. By A. tralled f. gs. Cu. 1 Greuzgeb. By A. tralled f. gs. Cu. 1 Greuzgeb.

The authors made a careful chured examination of 40 cases of atomach disease and or trolled the results by operation. History and present condition are go on in detail the chemistry a d motifity of the 54 mech tested was autom in de for manifest and occult bleeding the find age on palpatio care filly noted and the ontigen examination add

Especial attent is en to hunger and night pain Motility was tested by Strauss method of adding a portion of who tlebernes in currants to the evening meal a liremoving the remains the net morning for examination. Rontgen rays were also used in testing the motility. The secretion was tested by examination of the stomach contents after an Ewald Bors test breakfast.

Fourteen cases of carcinoms of the stomach were

rounteen cases of carcinoms of the stomach were examined & cases of uler of the dodenum 3 of mixed uleer 6 of ker of the pylorus 3 of ulcerated bour-glass stomach, 2 cases each of gastro achyla and gastroptosus and one case each of pencholecytits and gastroc cross - The conclusions are

f If st much disease has existed for many years it indicates ulcer rath r than curcinoma. Car canoma generally arises in people who up until

that time have never had stomach trouble

2 Diagnost c conclusions can be drawn from age
only with caution 42 8 per cent of all the cases of

only with caution 42 8 per cent of all the cases of stomach carcinoma were under fifty years of age 3 Loss of weight is not conclusive evidence of carcinoma.

4 The author could not find that the hatory night-pain hunger pain and cold pain, played the part in d fler untal hisponess of ulcer of the diodenum that is generally asenbed to them. The point of pain on pressure at the right of the mublicus has greater significance in diodenal ulcer.

5 In ulcer in the region of the pilorus there is

pain especially when an effort is made to work. In hall of the patients who complained of pain in the back there were adhesions to the pancreas

6 The alue of testing the stomach secretion for the differential diagnosis between ulcer and car curoma cannot be denied. The majority of cases of ulcerative and post ulcerative diseases of the stomach ord odenum are accompanied by increased actifity while the re-rese is true in carcinom. 2 In ulcer the degree of actifity is less in stag.

nant stomach co tents than in the test meal removed from the stom he in carcinoma it is greater 8. The lactic acid secretion does not have any

8 The lactic acid secretion does not have any great diagnostic alue
a The dem natration of visible or occult blood

in the faces has great significance as proving the presence of ulcer o carcinoma.

In disturbances of motility the daily quant ty of urne falls

II Rontgen examination almost alw ys aids in the differential diagnosi between leer and car cinoma and often decides it It is not of much value in simple idees

12 Gastroscopy for which Sussman's instrument is used does not always ucceed does not give uniform results and is not without danger. In one of the author's cases fresh perforation found a a case of operation for carenoma of the stomach was mobably due to gastroscopy. Bester 0

George A W and Gerber I The Practical Application of the Rbntgen Method to Gastric a d Duodenal Di gnoss J im M Ats 9 4 im, of By Surg Gyace & Obst

The a thors confess that the alue of rontgenologic gastro neest nal diagnosis has been enticized that many errors have been committed and that much discredit has been cast upon this procedure. They say that this state of affairs has been brought about by several conditions and mention three as follows.

I The pioneers developed a technique which rehed largely upon fluoroscopy and dagnoss by symptom-complexes which indured method the authors contrast with the positive or direct method which has been so brillantly detelored

2 Internats without technical experience have endeavored to do X ray work, have made errors in diagnosis and have enlarged the literature with comments on the inefficiencies of the method

3 The chincal diagnoss has been allowed to bus at rentigren diagnoss and the authors say that a rotatgen diagnoss should not be made unless there is possine rentigen evidence; c a definite abnormality in the contour or structure (res) of the bommain mass. They do not explain why shadows the control of the control ret. than shadows which reveal exaggerated portatals is round etc.

In the absence of an incisura and with normal size shape and position of the stomach there is no positive basis for the diagnosis of gastric ulcer though some investigators are willing to make an inferential diagnosis of gastric ulcer from the presence of tender points and six hour residue alone The authors regard six hour gastric stasis as the least important factor in routgen bismuth diagnosis They base the diagnosis of early fundal carcinoma partly on the presence of pregular defects of filling and partly on abnormalities of peristalsis Some space is devoted to well known arguments for the diagnosis of duodenal ulcer by deformity of the More and more cases are being found in which gall stones are demonstrated ALSEST VI LLER

Smithies, F. A. New Fluoroscopic Sign for the Differentiation of Plotte Spasm of Extra Gastric Origin from that Associated with Uncomplicated Gastric Ulcer on or near the Lesser Curvature. J Am V Ass. 9 4 Int. 305 By Sun Cymac. & Obst.

By th fluoroscopa examination of the atomach containing material oraque to the N-xys fully 60 per cent of calloused and complicated ulcers are readsh recognized and located with fair accuracy text ulcers or those unvolving the pylone half of the atomath or are the leaser curvature particular ly if these are if the uncomplicated type must be judged to east largely in the light of the neal history and laboratory did a This group p is the great any inty of accuract rongen diagnoses and when the must be hab been made appendix or gall lished the material to the processing of the processing the contract the processing the pro

findings which are similar to both are noted. The patient then receives 4/5 or atopous subpate hypodermatically and is recamined in half an loss in time to the same and accompanied generally by an incisura. In prione, spain from spendin or gall bladder lesions there is no sharply marked focus of tenderness which moves with the stomach moves with the stomach or worker and incisura. The same and the same an

Reichel, H.; Rüntgen Picture and Operative Findings in Carcinoma of the Pylorus (Re t genblid nd Operationsbefund be Pylorusarcanomen) If wise med list side 914 In 137 By Zentzibli I d ges Char u Grensech

The comparison between the rotatgen picture and the operative findings in a series of case of car cusoms of the pylorus shows the value of the rontgen picture in the early diagnosis of this disease. The diagnosis is founded on the demonstration of char actenstic changes in the shadow cheefty on circum scribed gaps in the bismuth content of the stomach and on visible signs of contraction and of disturbed

mothly
The boundaries of the gape in the hismuth content
are generally signing and ill defined and sometimes
very peculiar they often become clearer by palpa
tion in front of the routigen screen. In this way a
marked hindrance to penstalais in the suspected
region may also be demonstrated. Generally in
carritions of the pylorius the smaller curvature is
more or less involved in the pathological changes

Medullary or fungous tumors can be distinguished from the diffuse infiltrating forms of carcinoma. In the former the normal form of the stomach is main tained and the defects in the rontigen shadow in the pylorus and surrounding region are sharply defined in the latter there is marked distortion of the stomach outline from contraction.

The routgen p cture gives valuable information for the diagnosis of carcinoma of the stomach where internal methods do not give any satisfactory diagnostic pacture it also gives supplementary information where there are no assisfactory churach data as to the kind location or extent of a malignant tumor nor as to its operability. Of the contract of

Delore and Santy Gastrectomy in Cancer of the Stom ch (Ga trectomy dans le cancer d 1 estomac) Lyo k 9 4 xi J By Journal de Chirurgie

The chief point of interest in this article is Delore a statistics of 73 gastrectomies for cancer the first 43 were published by Delore and Alamartine the 30 most recent ones are published in detail at the end of this article. The following figures show the progressive improvement in results.

From 1903 to 1905 18 operations with 8 deaths

From 1905 to 1908 18 operations with 6 deaths 33 per cent

From 1005 to 1011 18 operations with 1 deaths zó ó per cent

From 1011 to 1013 to operations with 1 death 5 per cent

This improvement is not due to greater strictness in the choice of cases for the proportion of radical operations is practically the same before 1000 gastrectomy was performed in 2 per cent of the cases and from 1909 to 913 in 26 5 per cent The real cause in the improvement in the results is im proved technique and the most careful pre-operative

and post-operati e treatment and the use in some cases of a two-stage operation. This is especially indicated in cancers that have produced extreme stenosis and dilatation of the stomach. The two

stages of the operation are performed as near to-gether as possible at intervals of 10 to 12 days Delore almost always uses Billroth a second opera

tion, anastomosing the stomach and jejunum by means of a Jaboulay button He pays great atten tion to preventive hamostasis of the pedicles and the clos ng of the two ends which he accomplishes by means of three fine cateut sutures He buries the stump of the duodenum under the pentoneum in front of the pancreas. He recommends feeds g the patients early for if the sutures are not water tight from the first they have no chance of becoming so moreover the fact that irrigation of the stomach in gastric harmorrhage immediately after operation is harmless show that the stomach is impermeable at that time In a general way the immediate and late results of gastrectoms are better than those of gastro-enterostomy theref re Delore and Santy give the preference to gastrectomy even as a pallia tive operation in cases where excision cannot be absolutely complete Adhesions and involvement of the glands, which are often inflammatory and not neoplastic are not an absolute contra indication to gastrectomy CR LENGRANT

Port S Blond a M th d of F cluding th Py lorus (Lexclusion p lonque & la Biondi) J d By Surg Gyper & Obst. 0 4 XII #97

I orta reviews the indicat one for exclusion of the pylorus and describes a ne technique used b Blond because he h s f u d the older methods defect ve The vario methods of section take an exceedingly long tim thorough asepsis is not possible and t is difficult t mobilize the parts pernted upon especially fitere are solid adhesions. The plastic method and those by ligation are only temporary. Fermeability of the pylorus is eventual by restablished.

B onds makes an incis n 6 to 10 cm long on the anterior surface of the antrum parallel to the mucous and muscula cost The e case n extends from the a trum towards th duodenum where the m cou membrane more easily to n The mu cous membrane is then I sected and a tube of it

closed at each end by being transfixed with two silk sutures It is excised and the incision sutured in three layers the layers being turned in Care should be taken to cover the line of suture with serous membrane Kausch's gastro-enterostomy is performed before the exclusion

Experiments on the cadaver and animals have shown that it is not a difficult procedure. The mucous membrane at and near the pylorus is thicker and more resistant than that of other regions of the stomach so that it is easily dissected Care should be taken not to involve the muscularis mucosa and if it is necessary to pass beyond the pylorus into the duodenum greater care must be exercised for the muscular and connective tissue lavers are greatly reduced in thickness. It is a good plan to put the end of the left index finger between the muscular and mucous coats at the upper edge of the incision and then dissect from the lower edge until

the finger is reached. Ulcerations or inflammatory tumors do not in teriere with the operation Superficial ulcerations may make h les in the tube but that does not do any harm The advantages of the method are that it does not involve the large gastro omental vessels it is performed in parts that are covered with pen toneum at does not demand the opening of the posterior cavity of the omentum it is easy to per form and it is much easier to ma ntain asemis than in the other methods. It can be performed when there are adhesions and it does not produce any change in the form of the stomach The closure of the pylorus is permane t and it is not followed by pain Porta has performed the operation three times with excellent results Biondi o times, and other operators several times He concludes that it is the operation of choice in the exclusion of the pylonus A Gous

Bier A Diagnosis of Ulcer of the Duodenum (Zur D guesse des Ulcus duod.)
Il à selv 013 xxx1 2402
By Zent lbl f d ges Ch De tucke med

The Lnowledge of duodenal ulcer has been extend ed rece thy but the point of greatest interest is still the diagnosis. As Moynihan has had the greatest experience on this point. Bir uses his res its as a gu de and discusses a series of 43 cases ope ated on

in hi own clime The condition is more frequent if the male sex but in contrast to the English and American authors he found ulcer of the duodenum less frequent that ulcer of the stomach. The most important point in the diagnosis is the hist ry which according to Moyaihan makes physical xam aton of the patient almost superfluors although f course he always makes the examination. The chef points are the hunger pain and the paroxy smal nat re of the pain the disease itself is of long duration Pre monstery sympt ms e discomfort ad distention several hours af e eats g nd acid or bitter erucia 11025

From Moynian a description it would seem that with a careful history a mistake in diagnosis with a careful history a mistake in diagnosis accuracy assumed and he himself made only three studies in connective cases. But Ber as found that in spate of a perfectly characteristic history in many cases to utleer was to be found on laparotomy and on the other hand often when there was an uleer their haid been no history to find cate at the latter was the case on abdominal incason in so of the 43 cases. He gives a case hatory which shows that there may be no ulcer though there is a characteristic history.

The results of palpation are of limited value especially the pain on pressure on the right side and the tension of the right rectus chemical examination is made only for the sake of completeness Even the rontgen picture is not nearly so valuable as in alter of the stomach as is shown by the fact that so many ages are given none of which is really

characteristic

The most constant finding increased perstalast i found also in other conditions the permanent busmuth shadow may be deceptive and the again of penetrating ulcer are so rare as to be of only limited value cicatrical stenous is not easy to recognize in the rontien picture. However the rotation examination should always be made it only for the purpose of the control of the propose of the rotation of the purpose of the rotation of the purpose and the rotation of court should be demonstration of occult shoot is of great diagnostic value allowing for the source of error in it.

In differential diagnoss it is not easy to decide between uler of the stomach and of the duodenum there is less difficulty in deciding between ulerc and all stones and Ber has had no difficulty in dis suggustants between ulerc and appendicuts. While the diagnoss of uler of the duodenum is difficult the author does not think it more difficult than the diagnoss of ule or or extruoma of the stomach was before the development of rotagen technique and in which ther are even yet mustakes in diagnos.

Manyul Perforation of a Peycle Uner of the jet numerik Perantere Gatorio-Dat respective perantions Reco ery Indiuence of National Methods of Costro-Enterectomy in the Production of These Uners (Perforation d n leier perplayed 1/2 um s s pris negate ochriscational piration gottuson indiuence desid errastech quest de gastro-miterotome r la prod et a deces ul tru) Ball 1 m m ec d ch P 9 3 Zun 5 7 By Journal de Churup.

Hartmann reports a case as described in the title operated on by Marquas. The last situations in regard to ulcers of this sort by \(\frac{1}{2}\) an Roopen in 1900 showed 85 cases. Hartmann has collected 45 from the literature and reports one of his own and this one of Marquas making a total of 1 5 cases. On these cases he bases a swidy of the conditions which lead to the production. They come on three months to eleven years after the 1 stall gastro-cutterostomy they are more freq ent in men than

in women in the proportion of five to one they always follow gastro-enterostomy for ulcers and more frequently the Y-shaped operation

It seems to be settled that the chief cause of these peptic ulters as the prolonged contact of a very and gastine content with the mucous membrane of the jequinim but for the ulcers seated just at the gastrojejunal opening faults of technique seem to be to blame such as all, properting into the lumen harmatoma or the delayed elimination of a Maruphy button It is these gastrojejunal of a Miruphy button it is these gastrojejunal obliterations of the mouth of the anastomous that have been attributed to persistent permeability of

the pylorus

From all of the evidence he concludes that to prevent such ulcers it is necessary (1) At the time of the operation (a) in order to prevent the passage of acid gastric juice over the jejunum to avoid Y shaped gastro-enterestomy and (b) to avoid all traumatism of the surface therefore not to use the button for anastomosis nor to crush the tissues with clamps and to secure perfect coaptation with the sutures (2) after the operation (a) to irrigate the stomach the first few days at any sign of injection or gastric putrefaction (b) to Leep patients under treatment and not consider them radically cured because a gastro-enterostomy has been done the mucous membrane is chronically inflamed and it requires some time to restore it to a normal con dition By observing these rules most of these cases of pept c ulcer may be prevented

DELBET believes that silk sutures are at fault as they are eliminated slowly and favor the penetra

tion of the gastric juice into the tissues

Cuxão does not believe that sil, and the use of clamps has snything to do with the production of these ulcers. He believes the chief cause is the persistence of a high hydrochloric and content in such a case he would be disposed to operate on the nervous secretory mechanism of the stomach to decrease the acidit;

TUTTIER has never had a case. He believes they are due to hyperchlorhydna rather than to the technique employed. He never uses clamps and long ago gave up silk for linen.

WALTHER agrees with Tuffier and uses the same technique

RICAED had one case in which he resected the lips of the ulcer and sutured it again with good results He believes the ulcers may be due to a certain extent to hyperacid secretion but thinks the chief cause is

faulty technique

McLean A Post Operative Heus. † S g Phila. 9 4 lix 407 By Surg Gynec & Obst

J Domove

McLean gives the results of experimental in vestigations into the possible causes of death following diens and how to overcome the effects of ileus o ce it is present

The clinical picture in both the mechanical and paralytic virieties is the same Vectoristy has

shown that in some latal cases no signs of peritomias were present. What is the cause of death in these cases? The prevailing impression in regard to the case of death in tleus seems to be that it is a toxic condition originating from the absorption of bacteria or their tonns or from the absorption of some altered physiologic secretions of the pancress, liver and meteriand process.

McLean produced artificial intestinal obstruction about 6 inches from the pilorus in dogs. The duodenal and gastric secretions of these cases were tested as to that toxicity by injecting a filtrate unto guinea pigs. The pigs remained it ely and well.

The serum from the experimental animals was injected into guinea pigs. The guinea pigs which received more than 2 ccm died as a rule. It was found that normal dog serum injected into guinea pigs in 2 ccm quantities proved fats.

The gas from the intestine of the experimental dog was injected into the peritoneal cavity of normal dogs without causing symptoms. The blood was directly transfused to normal dogs without causing symptoms symptoms.

Vicient therefore concludes that death is not due to tournum. If if enther noted a marked loss of weight usually amounting to one teath of body weight before death. This loss of weight is at troducted to the loss of body fluids (commus etc.) Thus loss of weight list and the loss of body fluids (commus etc.) Thus loss of weight is at troducted to the loss of body fluids (commus etc.) Thus loss of weight list and before the loss of the death of annuals from Bluss differed in no way from those bled to death slowly. Consequent upon this field in blood-pressure as a disturbance in the cerebral circulation. Thus McLean considers one of the prime factors of the direct cause of death in lieus prime factors of the direct cause of death in lieus permeental dops can be prolonged by introducing salue to replace the fluids loss.

The rational treatment based on his experiments as suggested by McLean is (i) Subdue the disten tion (decatomy) and (2) restore the fluids lost by hypodennoclysis proctoclysis etc. Issuesz Conv.

Jordan, A. C. Intestinal Stass from the Stand point of Radiology I to J S rg 9 4 2 11, 33 By Surg Gyner. & Obst

The author describes un destill his cedentique and the paciological examination of the intestinal tract. An prefaminary care of the patient is necessary About one hour after breakfast the patient is given an emulsion consisting of carbonate of hismath, 4 or sugar of milk, 1/6 or and compared water to make a creamy fluid. The chest cosopharies stomath and duodremm are essumed at once The iloconceal region is unvestigated at the second visual five to seven hours later Often a third visual required the same day more to twel before after the formation much milk the following periods after the bismath nead. In many the milk of sail at the following periods after the bismath read that the following periods after the bismath read a hours at 60 milk about 7,0 hours and 60 hears.

The examination of the duodenum may show a dilatation and lengthening even in the early stage of intestinal stasss. In addition to the change in size there is increased activity of the peristalsis in fact in many cases the duodenum may give the appearances of writhing These changes are due to a kink at the duodenojejunal junction Real atasis is always present when there is an extended duodenum This often results in an ascending infection from the carrier which may travel up as far as the duodenum The ileal stasis may be due to a mechanical obstruction in the ileum or lower down in the large intestine. Many times the appendix is responsible for the kink, but any of the locations of bands may be the seat of the obstruction JAS H SETTES

Maggiore Two Cases of Congenital Megacolon (Deux cas de mégacolon congénital) Pallabu 1914 xxh. 33 By Journal de Chararpe

The first case cited is a child of six, born at termhe father tubercular. There was stubborn consulpation from birth a bowel movement occurring only every 8 to 12 days the patient was pale and poorly developed, the abdomen distended to 52 centimeters at the unfillies. There was elevation of tempera ture vomiting and discharge of blood from the anos 3 & 50 feed matter was removed manually and the patient died in collapse. The large intenses was 5 mm thek

The second case was a child of two years and two months born at term — the father synthistic There had been stubborn constipation aince britt, how movements occurring only every 8 to 15 days the child was poorly developed. The abdomen was almost normal in size there was meteorism on percussion.

The author attributes death in his first case to sprope caused by the eitirme distation of the large intestines though it is not possible to exclude motoraction from the facel matter Hypertrophy of the wall of the large intestine is a congenital malformation which in these two cases was due to paternal infection syphilis in one case and tubercu loss in the other.

Cassial.

Don A. Is Colectomy for Constitution a Radical Procedure? Cli. J. 1914 Mu., 209 By Surg. Gyner & Obst.

The author discusses the various cause suggested by Lane and other supporters of colectomy for constitution not agreeing in a ungle instance with dangements advanced. The air temper there is arguments advanced to the air temper there is always to the collection of the score that the layer and sphere is stone don't be soone that the layer and sphere is two heavest organs, show not notherly to fall and because canically the untestines contains so much gas that they tend to rate Don claums that no revoke that they tend to rate Don claums that one order that they tend to rate Don claums that manufacture and distance and claums that manufacture and the leptace feature as normally in contact with the

liver it cannot occupy a higher position than in the healthy subject as the Lane school asserts. Lane is accused of not troubling himself with logic or proof and in a comparative table is placed Lane's list of the affections which may be cured by removing the colon side by side with the advertisement of a

well known quack pull The comparative anatomy of the domestic am mals is brought in to show that although these animals are not costive yet their intestinal tracts contain many bands narrowings sacculations kinks twists, and mobile and fixed portions which to the author would appear to afford many excuses for surgical activity Radiology is stated to be a comparatively new aid to the study of abdominal

diseases and as yet there is no standard

Don believes that the pathologists alone can settle the overtion as to whether the bands which are found are inflammatory or not lf they are exaggerated concentral formations it should be possible to repair them without removing the colon while if they are inflammatory the cause of the inflammation should be found before a colectomy is done

E & ARMSTRONG

Gruet P Best Technique for Externalization in ter r neut l'ectinique for externalization in the Extirpation of Cancer of the Colon (De la meilleure technique opératoire policable à la méth-ode d'extériorisation dans l'extirpation des ca cres colques) The et d'oct P 19 4

By Journal de Chieurgie

The author describes the present status of the mestion of externalization of cancers of the colon He describes in detail the technique of Guenu who bolds that the tumor must be brought outside the abdominal wall but the pedicle may remain inside the abdomen if it is outside the peritoneum

- 1 The first stage consists of extrapanetal exter nalization of the tumor extraperitoneal externaliza tion of the pedicle After exploring and freeing the tumor the loop is externalized. The mesentery be ing spread out the peritoneal leaf of one of its sur faces is slightly incised and then dissected as far as possible passing well outside the suspected zone and the personeum thus dissected is sutured to the parietal peritoneum. The same thing is done on the other side. The abdominal wall is closed above and below the externalized loop 2 In the second stage resection of the neoplasm
- is performed followed by suture of the posterior semicircumferences of the ends of the intestine and suture of the two interior semicircumferences in the skin wound This is performed about 8 days after the first
- 3 In the third stage the artificial situs is closed by enterorrhaphy This should not be done until the general health has unproved Guénu always performs this enterorrhaphy strictly outside the peri toneum
- Gruet has collected 1 7 cases 7 of them being Guenu The first case was cancer of the splenic Death occurred 8 days after the closing flexure

of the anus from hamorrhage. The second case was cancer of the splenic flexure without closure of the anus The patient survived 3 years. In the third case cancer of the descending colon no closure of the anus recurrence in the liver 414 months after the operation Case 4 Cancer of the sig mord Recurrence in the true pelvis 16 months later Case 5 Cancer of the termination of the sigmoid loop to closure of the anus Recovery Case 6 No details Case 7 Sigmoid cancer Patient in good health after 61/2 years The work closes with a very important statistical study and the author concludes

Externalization should only be performed in can cers of the left colon especially in feeble patients with regetating septic cancers accompanied by lesions of the wall of the adjacent loop hard's colectomy or the methods of colectomy in two stages should be reserved for the favorable cases of small movable cancers without marked lesions of the adjacent loop and for patients who are still in good general health Externalization is sometimes an operation of necessity but more gen erally of prudence and its indications should be extended where the surgeon as in doubt as to the condition of the intestinal walls

I L ROUX BLEE

Jackson R. Some Unusual Phases of Sigmoidos

T Am Proctol Sec Atlantic City 1914 By Sure Gynec & Obst The disgnostic value of the sigmoidoscope has

been the topic for much discussion and is increasingly appreciated by hospitals but much less so by the profession and insufficiently in medical teaching Explicit statements of its considerable therapeutic uses are not found in German American or English literature. The instrument enhances the extent and accuracy of rectosigmoidal therapeutics and spe cifically it facilitates the use of certain instruments topical applications the rebel of high impaction and the treatment of stricture and certain other lesions Serious trauma from the sigmoidoscope is more hable to happen than some authorities admit as illustrated by three cases of intestinal perforation cited from the German Two personal cases are detailed where the patients were in serious condition from occlusion of the bowel but were relieved and sa ed by s gmoidoscopy done with diagnostic intent only

Pelvic visceroptosis hypermobility of the sigmoid and the fixed and open rectal ampulla beneath predispose to invaginations and angulations which are fairly frequent in mild and chrome form and are potentially dangerous as a source of acute obstruc-tion Sigmoidoscopy properly conducted empites the pel is by gravity—due to the position assumed by intelligent introduction of the instrument and by th air pressure admitted through it and therefore tends to undo such intestinal malpositions The occlusion in the two cases related was un expectedly reheved and doubtless in this way

Greater prevalence in the use of the sigmoidoscope would bring to light a field for deliberate therapeutic use of the instrument along these lines

Graham A B : Perirectal Gumma Report of Two Cases. T Protol Soc Atlantic City 9 4, June By Surg Gynes. & Obst

The subject pernectal gumma owes a great deal of its interest to its ranty. The two cases reported are rather unique and worthy of publication. They were seen within twenty four hours of each other and both presented a typical pernectal gumma in that no leaving of any kind could be detected in the

rectum of either patient

The first patient aged 47 contracted spohlus at the age of 24. He says treated f one year with mercury administered internally and by nunctions, and pronounced cured. One year later a large ulceration developed on the left leg above the lane which under persistent antipercific medication within the persistent antipercific medication mercuss ulcerations appeared in his mouth and threat A diagnosis of apphilitus discretion was made and under local treatment alone these ulcerations dappeared in a lew weeks. Two years ago ulcera suppeared in a lew weeks. Two years ago ulcera

under local traginant alone these ulcerations disappeared in a few works. The years ago ulcerations again being present in the mouth and threat, salvarsan was administered by injection into the right buttock. This caused much pain and it required one year for the complete disappearance of the induration at the site of the salvarian supertion. The Wasserman test was not made now was any

further antispecific treatment prescribed In November 10 the patient experienced a shight ach ng sensation about the rectum He con sulted a proctologist who was unable to find any rectal lesson. Three months lat r he detected a nodule or indutation in the right ischiorectal fossa This increased rapidly a size February 28 1013 he was referred to the auth r the diagnosis of ischiorectal abscess having been made examin tion revealed a case almost identical to that which had been reported by Verneud. There was a marked induration t the margin of the anus the size of a large ora ge and it extended across the right ischiorectal fossa. It was smooth elastic painless to palpation and fluctuation could be detected Believing that the tumor contained our immediate acision was advised. This was do e under local anasthesia \ deep incision was made into the most prominent part of the induration It was something of a disappointment as well as a surprise when nothing bey nd a discharge of blood was obtained. The author fully appreciated his error n diagnosis and the possibility of his having incised gumma The Wasse mann test was made and it proved to be a two plus positie Salvarsan was administered i tra enously and the wound healed at the end of ten days. The induration dis appeared rapidly O month later suppuration occurred which necessit ted an incis on for the evacuation of the pus The wound healed rapidly a d there is now no evide ce f an induration or

fistula. Careful examination in this case falled to reveal any rectal lesson. The patient is still under observation and is receiving antispecific medication.

The second case was a woman aged 28 the mother of a child one month old. She had contracted syphilis three years before had received antisyphilic treatment for one year but no Wassermann test had ever been made She consulted the author March 1 1913 stating that she had a lump outside the rectum which had appeared three weeks pre viously and that it was increasing rapidly in size An examination revealed an induration very similar to that which has been reported in Case r except that it was in the left ischorectal fossa. It was smooth elastic painless to palpation and there was marked evidence of fluctuation. The tem perature and pulse were normal A rectal examina tion revealed no lesion A diagnosis of gumma was made this being somewhat easy, owing to the diagnostic error in Case I having been made only twenty four hours previous The Wassermann test was made and proved to be positive Salvarsan was given intravenously. The gumma decreased rapidly in size and at the end of three weeks it had disappeared completely No suppuration occurred in this case A Wassermann test made one month

as any proved negative. Perspecial gummata are rare. The two clause opported are unique and of interest in that both were typical examples of perspecting gummata. In both cases the gumma was seen its early or vascular phase. In on cases tappeared as speciated there years following the syphilium in fection. Both gummata were panaless to palpation and fluttuation was detected in both. An error of diagnosis in one case was responsible for the incision and subsequent supportation. When the followed In the other case no incision was mixed and supportations that not occur. We demonstrate It is defined to the control of the incision in the control of the incision of the control of the incision. The distribution is the control of the incision of the control of the incision of the

Hassler G L Recurrence in Cancer of the Recturn (Co tribution a ! ft d des recuis es dans le cancer du rectum) Thire de dost Lyon g 4 Bi Journal de Curume

Hassier studies only local recurrence at the st of the operation not recurrence in the glands or metatases. From 2 cases and many status to be concludes that there is recurrence in about 25 per cent of the cases a figure which is perhaps somewhat too low if it is taken into account that there was no information account to the others.

no information a regard to many of the patients. The frequency of recurrence is like the seventy of the cancer inversely proportional to the age of the patient. Young people bear the operation well but are agit to have e dy recurrence in add people the operation is more serious but the results most durable. See also has a cert influence the results.

are better in the female because the operation is

easier to relation could be established between the site of the tumor and the frequency of recurrence. It is difficult to determine the easier of the present of the state to be the easier of the eas

no recurrence by that time
Extensive cancers especially, colloid cancers are
more apt to recur. Whatever their histological
form however they may recover if a sufficiently
extensive operation is performed. All the methods
of operation may give good results the chief thing
being to remove a large area and to a word inocula

The penneal method gives permanent recovery but is applicable only to a limited number of cases the combined abdominopenneal method is very supernor to the other because it permits more extense or removal of those in difficult cases Averethicles all the methods have their indications, deverther and it is methods have their indications, of the combined of the combi

Recurrence goardal take place los down in the Recurrence goardal take place los down in the mucous membrane. They often extend to the mucous membrane. They often extend to being boring organs and frequently they de elop backward adhering to the sacrum and then in valung it. These cases are serous because difficult to operate upon In fact operation can rarely be performed because the are seen too late. In spite if the opinion of ritain authors to the contrary operations should be performed a henever it is the pain a dec exset and on meeting the contrary operations are upor the pain to the pain a dec exset and on meeting the contrary operations.

Edwards F S A Protest against the Indiscriminate Use of the Abdominoperineal Operation in Cases of Rect 1 Cancer Poctol g 1 0 4 B) > g G as a Obst

The author below that the abdominoperineal operation used indiscriminately in 15 c so of ancer large or mill situated high r low case the loss of many lives for the paration is accompanied by a 30 per ent mortality.

Lduards bel es the operat on as indicated (1) in il cases stuated in the rectosignoid) nction or l wer pel se c lon (2) In cases shere the spread of the growth is suspect dout de of the based due t i flammators adhessors (2) In cases of rapidl growing ar inomas 1 you g people lis is contra id ted patients over o ears of age and in fat males

The a thor has operated to cases by the parasacral r paracoccine 1 m thod with a mortality of only pe cent and cure as per cent of all cases.

Let E Case

Rectal Surgery P oriol gas 9 4 ms 15
este
By Surg Gyme. & Obst
It The author has encountered 12 cases of post
2. The contribute harmorrhane 12 in humorrhand cases and

ne author has encountered 12 cases of post operative hermorrhage 11 in hemorrhad cases and 11 in a case of fistula. He classifies them as follows 1 Recurrent within 24 hours after operation from unligated vessels or where the ligature has

Anderson H G Post-Operative Harmorrhage in

shipped

2 Secondary later than 24 hours usually due to sloughing or sepsis Usually venous in character

sloughing or sepsis. Usually venous in character 3 Accidental anything interfering with the operative field

4 Late hamorrhage weeks months or years later due to cancer ulceration permicious and mis etc.

Another division may be external and internal hemorrhage. The hemorrhage if external can usually be controlled by packing with cotton wool or ligation if internal the sphiniter should be stretched and the bleeding point ligated.

ELGENE CARN

LIVER, PANCREAS AND SPLEEN

Strobel H: Talma s Operation and Cardiolysis (Talma-operation and kardiolyse) Beit bl Ch

19 4 Exxym 704
By Ze traibl f d ges Chr u 1 Grenzgeb

The author reports the permanent results obtained at the Erianget surgical clinux with Talmas operation and cardiolysis. The Talmas operation and cardiolysis. The Talmas operation and cardiolysis of the later and detailed reports of 8 cases were obtained. In a cases there was recovery operation having been performed in one case 9 years before and in the second 3 years here there was recovery operation by years before there was improvement. A patients due from three weeks to one and one-half years after the operation. One case 7 months after the operation showed no impovement. Talmas original method was used also haraths modification introducing, the omethod of transports of the testicle to the abdominal cavity Vo special advantage was seen in either of these modifications.

The author concludes that all cases of cardiac curbosis are unsuited for this operation while the cases of primary liver curbosis give better results varying with the stage of the disease. The patients had to be punctured several times after the operation to keep the ascitist permanently under control ton to keep the ascitist permanently under control

Bruner a method of cardiolysus was used in three cases of adbessors of the peneradium which as because of cardiac curbous where there was not represent a second cardiac curbous where there was not represent a second case dead to be case operated upon 5 years ago is still in good general condition the second case dead two years after the operation of apoplexy, in the thard three months after the operation there was no improvement To lay bare the hard a large flap was made with the base directed much 10 or laterally and the

ribs resected at least from the third to the airth Cases in which serious changes have taken place in the myocardium are not suited for this operation Orange

Piabler G E. The Rontgen Rays in the Diagnosis of Gall Stones and Cholecyntitis An Improvement in Technique J Am II Ass 1914 km 304 B) S rg Gynec & Obst

Plabler discusses the difficulties to be overcome and maints on the patient being throughly purged by a bottle of magnesia at might and the picture taken the next morning before any breakfast a caten. He removes all clothing and has the patient is con the adomes with sime extended over the head the upper part of the body is bent to the left opporting the space between the lower has and therefore of the hum to the widest possible angle. He takes to the hum to the widest possible angle. He takes a second picture by passing the rays dured; through the liver between the eleventh and twelfit his this position differentiating foreign substances or concretions in the bowel. The pictures are taken while the patient is belong the break?

The author has used this technique in so cases if have not an yet been operated on Of the 31 which went to operation he found stones in 30 and the surgeon reported stones in 27. The probability of stones was diagnosed in two others which were not found by the surgeon. He thinks his finding of so in 37 cases high as in general not more than 50 per cent can be abown. Jour O Bruker.

George A W and Gerbe I The Demonstration of Gall-Stones by the Rongen Ray Buston If & S J 2924, ch2, 680 By Surg Gy et & Obst

The cleaness of demonstration of gall stones upon plates will be in proportion to the amount of calcum present. Pur cholesteria stones cannot be differ entisted fortunately however they do not cause many chrone disturbances. The technique is very sample. The complicated methods for projecting away the liver's shadow are tunnecessary. With the patient 1 jung upon the table with his face down the patient 1 jung upon the table with his face down the plates as placed under the right-sharp defination is obtained with a very small displangum one and one obtained with a very small displangum one and one hall inches us diameter and a very small cylinder placed close down upon the back. It is preferable to use a fairly soft tube with a rapid exposure and it is better not to use intensifying screens, but it use the simple platets as an hadney work.

Five case reports are given with plates showing gall-stones and one case of osmied costal cartilage

simulating gall stone

The author believes that the demonstration of gall-stones by the ronigen ray has already reached a position of this country that warrants its more general use

It is advisable to examine the gall bladder region for stones prior to every bismuth examination of the alimentary tract. The chief sources of error are renal calculum leifed mess teric glocks and costochondral ossification These can be differentiated by proper technique D R, Bows

Crile G W Cholecystectomy vs. Cholecystectomy and a Method of Overcoming the Special Risks Attending Common Duct Operations Sug Gyace b Old 914 xva., 4 9 By Sug Gyace & Obst

From a careful study of 832 operations on the biliary tract performed by the author and his associates the following conclusions are drawn

2 Considering all the later consequences of infection cholecy attertomy in the type of cases indicated shows less morbidity than cholecystos tomy. In these cases the clinical end results of cholecy tectomy are good in unsuitable cases chole cystostomy is followed by recurrent cholecystitis.

2 No adverse effects from cholecystectomy have been seen provided that the division is made at the beg nung of the cystic duct that no gall bladder is left and that the division does not at all encrosed on the common duct. This technique can be readily carried out.

3 If acute infection be present then in most cases cholecystostomy should be first performed followed of rectioned by a later cholecystostomy

followed it required by a later cholecystretomy A II the gail-bit diet and the cystic duct be approximately normal then the gall bil diet should be left cholecystotomy being the operation of choice. If the gall bilder be thick contain mack scar tissue be shrunken show chronic infection of the wall, be much impaired if the cystic duct be partially or completely structured or if a stone be impacted in the duct then cholecystectomy should be performed.

5 All gall bladd r operations and especially common-d ct operations, may be performed with a minimum of shock and discomfort by thorough nerve blocking ith novoc ne by sharp dissect in and gentle man pulstion

6 The principal causes of the higher nortality is common-duct operations are the damage done to the enerse upply of the liver and the loss of block loss of the liver and the loss of block loss of the liver and the loss of the sales. The sharp is if discretion and the clear cut ample incusion into the common duct with the coarsequent similarity and amount in suitable cases the immediate closure of the common duct by nutrue will immessely improve the more baday and the mort hity following comm is duct operations.

7 The mortality rate n th 83s records studied for the purposes of this paper was 7 4/5 per cent This mortality rate as well as the post-operative morbidity will be decreased by the application of the technical proced res described above

Mayo, C II Cholecystitis nd the Factors that Control Results of Operation J Lauest 914 XXXI 75 By Surg C) ec & Obst

Mayo notes that the results f operation to choice; titis are i fluenced by ma y conditions

bes des those in the gall bladder listelf. Munong these he enumerates infections within the liver and bile-ducts causing changes in the balance of the acid ty of the stomach and of the silkalmity of the duodenum the precase. He calls especial strention to proper the process are of pylone spasm and changes in of lymphate glands extending along the sommon and hepatic ducts and on the cystic duct. He notes that any case of cholecystitis with sufficient infection to produce symptoms will necessarily affect these glands. In the majority of cases if these glands are much enlarged a lymphecema of the head of the pancreas will be four it as well as infection to guild bladder. An exception is the general swelling of the mesenteric glands through maily nancy or gross abdominal infection.

The majority of cases of cholecystitis are un doubtedly best reheved by cholecystectomy

Mayo W J Cholecystitis without Stones or Jaundice in Its Relation to Chronic Pancreati tla 1st J V Sc 9 4 criva April Ry S rg Gynec & Obst

The types of chronic cholecystitis without stones vary in intensity from the mild chronic catarrhal to those characterized by recrosis of the mucous membrane perforation and other manifestations of severe bacterial infection. Not infrequently the condition is associated with appendiceal infections of a chronic character especially those forms of appendicitis in which foreign bodies usually faculths are present. Whether or not such anoen. dicular infections are the direct cause of the infec tions in the gall bladder has not been determined but it seems possible masmuch as bacterial or toxic products are picked up in the derivatives of the portal c reulation carried to the liver and there destroyed or excreted in a modified form with the bile. When such infected bile is delayed in the gall bladder holecystitis may result

The chunc I dagnoss of cholecystitus even when stones are present is not always easy. With the palm of the hand an area may be covered which could be involed of in pylions and duodenal ulcer disease of the gall bladder appendicuts and stones or afections in the nght kadney or nght uneter Fain referred to this region may also be due to small own as in the month of the control time to be determined to the affected \(\text{li disease by retermal exam at n \text{ The transberry gall hladder represents the characteristic appearance of the affected \(\text{li disease by retermal exam at n \text{ The transberry gall hladder represents the characteristic appearance of the affected \(\text{li disease higher state of \text{ the control it is so has being state and with bile Removing such a gall bladde gives almost certain relied. The more this cond into varies from the control in the rest the probability of cure Cholecon and the less the probability of cure Cholecon and the less the probability of cure Cholecon \(\text{ the control is consistent to so m it as not to cause the \(\text{ minutes} \).

In many cases the only way in which a diagnosis can be est blished is to pen and in pect the mu

cosa and often a microscopical examination will be

If so much uncertainty exists with regard to the gall bladder and its infections much more uncer tainty must exist as regards the pancreas and its infections The sense of sight cannot aid in solving the question as in the examination of the mucosa of the gall bladder and a specimen will probably not be removed for pathologic examination diagnosis must be established by the sense of touch and a certain amount of intuition on the part of the diagnostician which unfortunately often plays too large a part in his final judgment. In practicing a routine examination of the contents of the abdomen the author states he has been surprised to find how frequently the pancreas showed enlargement induration and nodulation which would have justified a diagnosis of chronic pancreatitis if some disease of the bihary truct had been the original lesson but in which there was no symptomatic evidence that pancreatic inflammation existed Well marked cases of chronic interlobulary pan creatitis involving the head and often the entire pancreas present conclusive evidence of pan creatitis Such extreme evidences of chronic pan creatitis are seldom found without infection of the biliary tract but in cases less marked the evidence is often insufficient to establish the diagnosis especially when neither gall stones nor jaundice are present There is still another group of cases in which cholecystitis of the chronic type without gall-stones and without jaundice is accompanied by undoubted chronic interlobular pancreatitis such cases there is no dilatation of the common duct nor is the gall bladder distended

In the presence of chrome pancreatitis without jaundice and without evidences of back pressure on the biliary tract the gall bladder should be removed if it shows marked evidence of chronic cholecystitis especially the strawb fry type

Danis, R Results of Grafting Blood Vessels on the B le Passages (Ré ultat de l greffe de vasseaux sang s ur i votes blu re) Ann Soc belg d' ch Brussels 9 5 243 By Journal d' Chrurge

Da ss operated on two dogs as follows: A rectangular piece san cut from the lower surface of the gall bladder and eplaced by a segment from the pupula ven. Three months later the examined the results. The peritoneum was entirely normal: the pupula ven. Three months later the examined the results. The peritoneum was entirely normal: the gall bladder ppea cel normal in attantion of the gall bladder ppea cel normal in attantion of the gard was not vasible. Hat looped peally the wall was of ormal th claess, there being no cleatrical insue of the wall was of ormal the claess, there being no cleatrical insue of the wall was scarcely changed. It was covered utside by a layer of cells representing a new serious and epithchall covering with a connective lissue and epithchall covering with a connective lissue and epithchall covering with the wall was of the wall was not the later only by if wer folds and

by the absence of lymphatic follicles The process of regeneration was evidently analogous to that seen in injuries of the cornea. The bladder wall considering the vein as a sort of middle tunic had extended its mucous and submucous coats over it and its serous coat under it Extending from the penphery to the center of the graft this reparation had resulted in a complete reststutio ad sateg um The conclusion is drawn from this that vein tissue serves as a perfect graft in the bile passages from the plastic as well as from the functional point of J DUMOYE

Carrera J A. Splenectomy in Diseases of the Spleen (La splenectoms da 5 les affections de la rate) Their s d doct Buenos Aires, 914
By Journal de Chirurgie

This important work discusses splenectomy in all the diseases of the spices for which it has been performed. Interesting anatomical physiological and clinical points bearing on the pathology of the spleen are brought out but the especially interesting portion of it is the resume of all the cases published in the Argentine Republic from 1808 to 1013 num

bering 27 They may be classified as follows Lymphosarcoma a operation with recovery Augiosarcoma z operation with recovery Bantı s discase a operations with death.

Rupture of the spleen 7 operations with 4 recoveries and 3 deaths Injuries of the spleen a operations with I recovery and z death Torsion of the pedicle r operation with recovery

s operations with re-Malanal splenomegaly covery r operation with recovery

Primary tuberculosis

Leukæmia Cancer of the pedicle Hydatid cyst Splenomeraly

2 operations with death I operation with recovery I operation with recovery 3 operations with 1 re-

covery and a deaths The author advises that the patient be placed in the dorsal position inclined toward the side by the aid of Rio Branco's apparatus He reviews the different incisions but does not express a preference for any one and describes the classical technique for splenectomy He closes with the advice to lessen the indications for splenectomy as he considers the spicen an important organ SALVA MERCAPÉ

MISCELLANEOUS

K llogg F S Ptosis; a Cause of Gynecological Failure B st M b S I o 4 clvr 646
By Surg Gynec & Obst

The author reports four cases typical of ptosis being a cause of genecological failure. All these patients were operated upon but they were little relieved. They had symptoms of ptosis when the author saw them Three of the patients had com plained of ptosis previous to operation They were relieved of all symptoms by mechanical support of

the abdomen The author enters into a discussion of the diagnosis of this condition and emphasizes the fact that the

treatment of uncomplicated ptosis belongs to the orthopedic surgeon Failure in many cases to secure proper results is due to improperly fitting corsets, nauthcient directions and corsets made of relatively cheap stretchable material, which stop doing their work in from four to seven days after EDWARD L. CORNELL being fitted

SURGERY OF THE EXTREMITIES

DISEASES OF THE BONES, JOINTS, MUSCLES, TENDONS CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

Osteomyelitis at th Sacro-Iliac Con S M Osteomyeums at Infection Am J Orth 5 g 914 11 389 By Surg Gymec & Obst

The author reports a case of gas bacill s infection of the thum around the sacro-thac joint in which at autonsy the bacilly were demonstrated in the bone the muscle and the hver and all the tissues of the body being infiltrated with gas. It is not stated what was the scource of the injection in this case but the general statement is made that most of such cases follow an infection of an open wound The organisms are very seldom found in the blood and only with gre t difficulty get into the general circulation In this case there was necrotic bone at the thosacral region from which the infection started and progressed as diously

Radiographic Diagnosis of Bone Kilnens, J Sarcom (Le di gnostic radiographique des sar comes osseus) Paris méd , 19 4 1 129 By Journal de Chicurgi

Radiography not nly enables us to make a diagnosis of sarcoma of the bone but in many cases aids in determining its point of origin and histological structure Osteosarcomes are divided into two groups (z) central or myelogenous sarcomes and () peripheral or periosteal sarcomas All bone sarcomas begin in the disphysis near the articular cartilage never in the epiphysis Radiography shows the integrity of the epiphysis separated from the neoplasm by the solid barrier of the articular cartilage

Peripheral sarcomas generally invol e the periphery only while the central ones though they also may develop tremend usly just beneath the penus-teum, have extended furthe down so that the distinction between the two is made not by the preponderance of penosteal development but by the

amount of destruction of bone tissue. The perios team is broken through only in the late stages of the diese. Often a shell impregnated with calcium salts is formed around the tumor whatever its thickness it shows very clearly on the ratiographic plate. Sometimes the neoplasm abous bony trabecules which tend to limit its growth the perapheral sarroomas especially show this tendency. Bone sarrooms may be confused in diagnosis with

Bone sarcomas may be confused in d agnosas with swelling Radiography simplifies the differential walling Radiography simplifies the differential diagnosas. In scothutus the terminal surface of the diaphysis shows an opacity greater or less in extent overy intene and irregular in form. This sign as without the bistory of clinical frammation. Spih his may cause more or less destruction of bome by the formation of gummats but it forms more bone tissue than it destroys while the opposite is true of

Syphias of the daphysis is characterized by retraction of the medulary canal and the shundant formation of bony lanselle. In the epiphysical form there are clear spots ind calong trarefying ostetis or even small intra-ossous gummata. Chronic arthrinis sometimes does not show any appreciable change in the bone sometimes as no arthrinis dechange in the bone sometimes as no arthrinis dechange in the bone sometimes as no arthrinis dechange that the sometimes are the solid polichange of the solid policy of the solid policy is a studded with fuggosities shows more or less prosounced decalafication and no destruction of home, the bony form shows lesson of the trabecular

hmited, at first at least to the epiphysis There are also some sources of error in radi ography The opacity of ossilying sarromas is sometimes so intense and uniform that all detail is absent and a diagnosis of osteoma might be made if it were not for the history and clinical examina tion Some sarcomas escape radiographic diagnosis by the opposite characteristics that is by the absence of cassification and destruction of bone. In a case of subperiosteal harmatoma in a child resulting from a transatum of the thigh Khinens saw a thin but clearly defined shell surrounding the diaphysis of the femur This shell was formed of calcified periosteum and microscopic examination of it showed there was no sarcoma present. In the majority of cases the radiographic picture of osteosarcoma is pathognomonic, but there are cases where a definite conclusion is impossible

I Dunova

Dax R. Paget a Bone Di case (Übe P geische Enochenerkra kung) Bri kl Ck 914, lxxxv 64 By Zenralbi f d ges Chu u i Grenzgeb

By Zentrabli f d ges Chir u ! Grenzgeb Paget disease or ostitis deformans is a disease of ad anced age which progresses slowly and generally causes no other disturbance than that

produced by the deformity of the skeleton. It means all begins in the skull and then affects in succession the tibla femur pelvis spinal column deavised in his humerus and radius frequently symmetrically but sometimes unlisterally. The bones become larger and softer bent and mis shapen. The spinal column shortens so that the height is decreased. The disphyses of the long bones are affected the joints are not. The footnet of the body with its enormous skull and the spinar early elongated arms reaching to the knees retrieved the paint of the skill should be successful to the same point of the skill should be successful to the same the same paint in the diseased bones—the matic gouty or neutralic in nature without periodic or multily exacerbations.

The complications are those to be expected at the age at which it occurs arieroscleross, athromic toss subcrso for heigh feart affections lung diseases caused by the immation of the respiration and very frequently multiple mal guant tumors of the bones. Spontaneous fractures are rare in contrast with fibroup ostitis.

Histologically there is diffuse destruction of the bone marrow with fibrous transformation widening of the haversian canals decrease in the lamellawith destruction and new formation of bone sub stance the former exceeding the latter in degree The disease has been attributed to heredity trauma eout rheumatism changes in the pervous system the influence of the glands of internal secretion semilty and hereditary syphiles but as a matter of fact the etiology is unknown. There is great similarity to fibrous ostitis but in the latter disease there are cysts and tumor formation while in Paget a disease there are only fibrous foci in the bo e Treatment has been without effect except in one case that was treated successfully with calcium lactate The author in conclusion gives the history of a typical case of his own in a woman 70 years old

Hartung A: Some Unusual Bone Lesions. Am J Ro tg: al 1914 1, 20

By Surg Gyace & Obst
The author reports 2 cases of oatestis fibrosa
deformans (Paget 8 disease) one case of oatestis
fibrosa or multiple bone cyst and 3 cases of hyper
trophic oates oarthropathy of Marie

In the cases of Paget a disease there was grously bowing and enlargement of the long bones and hyperostass and tinckening of the flat bone. The minute changes showed a councient possess selected as a consideration of the flat bone and address the parts. The fine markings ordinaring shows in the cancellous ends of the long bones with shown in the cancellous ends of the long bones with shown in the cancellous ends of the long bones with shown in the cancellous ends of the long bones with shown in the cancel long ends to the long to the control that the short in the long the cancel the cancel long the protect at thickening in others, irregular decided cation gave an appearance of canes. Near the distall of both the ulars and radiof one case uniform absorption of lime salts of a limited area had occurred resembling of as formation. In the tiplue of

both cases the lumen of the medullary canal was practically obliterated having been replaced by irregular lamella of bone

With the exception of the spine the joints were not involved. The process extended throughout the epiphyses but there was no noticeable irregularity

of the foint surface nor was there any thing uggestive of atrophy of the joint cartilage

The skulls of both patients showed well marked an I similar changes The calvarium was markedly thickened especially at the base and an abnormal porosity in places gave it a marked mottled effect. The sella turcice were found to be about normal

The case of osteits fibrous showed a cystic con dition in both clavicles some of the ribs both tibig one fibula and one of the metatarsals Frac tures had occurred in both humen and in both femurs Most of the tumors showed a localized decalcified area with compartments surrounded by a thin expanded shillow hone. In the right tibia a late picture shows this shell apparently broken and

the growth has all the \ ray appearance of sarcoma. Of the 3 cases of osteo arthropathy of Marie one was tubercular one clinically tubercular with nega tive Von Pirquet and Wassermann and one had a clinical diagnos s of probabl Hanot s citrhous the lungs were negative. These cases each showed an osteoperiostitis al ays most marked over the metacarrolls an I met tarsal next in legrer at the distal ends of the ultra radii tibir and fibula sim lar process extended along the long bones near other bones if cted a condition not shown in the des tiption of other cases recorded Joint surfaces were not f upd to be involved and clubbing at the ends of the 1 ngers and toes was not accompanied by bone changes

Land I F Central Surgical Bone Disease (Lbe sentrale b ruguerhe knoch krank ngen) Mrd

Als Barl 014 2 250 By de traibl f d ges Chir u Grenzgeb

With the aid of the rontgen picture it is frequently possible to diagnose bone diseases that cannot be differentiated clinically The author discusses the d seases of the c t r of the bone that has been recognized th s f r The red lymphatic marrow of y uth chinge gradually i to fat marrow. This is important in the prognosis of fractures at an ad-valued age for fit embolism i seldom observed But different off ences, such as long rest in bed band ges etc may c ust the bone to trophy the corte becomes thin the structur looks transpare t d pott d in the rontgen picture and th red mar ow i tr nsformed nto fatty marrow the protection aga n t mbousm has disappeared On the oth han I the lymph to marro poo in fat has cert n dangers O account of the pres nce of n merous blood essels a the m rrow cavity there is a predisposition t «c bone diseases since it has been bact riologically demonstrated that the bon in from a most a ut infection dis eases contains be terr

Sometimes there is a phlegmon of the marrow Here diagnosis is comparatively easy it is more difficult in the chronic forms of ostcomielitis If there is a cyst with round smooth walls it may be tuberculosis or coccus osteomyclitis although generally in the latter there is new formation of bone because of irritation of the personteum which is generally lacking in tuberculos a which leads to caseation. In bone syphilis we ha e multilocular cysts or large granulation tumors original ag from

the periosteum

There is a short discussion f actinomy costs and echinococcus Multilocular cysts are also found in fibrous estates while sol tary ones are found, among other diseases in my elogenous grant-celled surcoma Myclomata be originate from the marrow and sometimes also chondromata when th re are small islands of cartilage from the embryomic period remaining in the marrow but these are easily recor nized in the rontgen picture by their nodular structure Cartilaginous exostoses owe their origin to similar islands of cartilage. Osteomata fibromata and myzomata occur more rarely. There is no primary carcinoma of the bone at most an enthel al cancer may arise in bone from prolif ration of skin or mucous membrane in fistulæ leading into the bone

Cholesteatomata of the astragalus are interesting from the point of vew of the history of development as are also dermoids of the frontal cavity adams to mats etc \ot all of these diseases are satisfactors ly explained many problems still awa t solution, as for example the fact that certain carcinom to cancer of the breast and prostate have a pecual tendency to produce metastases in bone-marrow as do also hypernephromata Grawitz tumors of the Lid ey and malignant goiter KYOKE

M yer L. and W haer E Importance of Indi Idual Components of Bone Tiss in the Referencestion and Transplantation of Bone (New Vers che ur Frage d Bedeut ag de em-sel en K. mposente des Kacchengers bes ber de Regeneration and Transpla tation on Knoch)

Arch | 2| Ch to 4 cm 73

By Zentralbi f d ges Chi Crenzgeb

In experiment on dogs treely transpla ted periosteum and periosteum after subperiosteal reect on I be e reproduced be while ther was no gro th when the periosteum a removed from the s reace of the transpla ted bon I bone trans pla tation the bone cells ho ed no new format of bone while the pe sostersm was act e in this respect and also the endoth hal cell of the marrow

cavity and the haversian ca is Bone th t is macroscopicali free from periost um ca be tr ns planted because it reta us the osteoblast of the cambium layer nd th endothehal cells of the marrow cavity a d the haversian canals From these experime to it I llow that in ma

the bone must always be transplanted with ts periosteum r at least with as much of the cambium

as possible A part of the transplanted bone dies another part lives until the transplant is vascular ized. The dead bone is partially dissolved by the young bone-cells which form new bone at the same time which is gradually substituted for the old and penetrates into the old empty bone cavities

KIRSCHNER

Waither H W E.: Gonorrheal Metastatic Arthritis Boston M & S J 19 4 clax 561 By Surg Gynec. & Obst.

The author reviews some of the more recent hterature concerning metastatic gonorrhocal arthri tis Infection of this type usually takes place after the acute urethral manifestations although this is not always the rule two cases cited occurring in from 13 to 21 days Thirty per cent involve one joint 70 per cent are polyarticular The Lnee ankle and wrist joints are most commonly involved

The types of infection are r Arthralesa without definite lesions in the

toint Acute serous synovitis with much periarticular

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abght effusion A Chronic serous or purulent synovitis Involvement of bursæ and tendon sheaths

Treatments consisting of injection of 2 per cent formalin and gly cerine seminal vesiculotomy actual cautery blood letting aspiration and the usual applications prostatic massage Bier's bandage lead and oppum ace caps packs saturated solution of magnesium sulphate and ichthyol, are recommended Serotherapy and vaccine therapy are yet of doubtful value Autogenous vaccines appear more efficient

Surgically the infection has been treated with more or less success by (1) aspiration (2) aspira-

tion and antiseptic injection (3) incision irrigation and drainage and (4) seminal vesiculotomy The latter has not been accepted by most conservative surgeons but if the focus lies in the seminal vesicles the present trend will probably

H W MEYERDING

Lehm nn E Post Traumatic Ossification in the Region of the Libow-Joint (Posttraumatische

demand its more common use

Dent he Zix hr f Chr., 9 4 CENY 3

By Zentralbi (d ges Chr u Grenzeb.

The first cases f myositis oss fica a that were observed n the region of the elbow joint were all connection with posterior dislocation and so were regarded as a consequence of that injury Machol in 1908 and others afterward assumed that the replacement of a posterior dislocation as a rule caused a circumscribed ossification in the muscula ture of the elbow. But even f such a con ection ex to the author believes that there must be other factors of more general nature prod cing ossi

fication, for it has been found after other infuries than dislocation and has been lacking in dislocations of other joints as it is found only very rarely in any other joint

The author has collected 37 cases of ossification of the elbow some from 1902 to 1919 and publishes the case histories The rontgen pictures are very interesting and all of them show bone proliferation in the brachialis anticus, and some of them at the insertion of the traceps from the size of a cherry up The eniphysis and sometimes also the disphysis of the humerus was surrounded by masses of callus By no means all of these appeared after dislocations in fact posterior dislocation occurred in only 10 cases some of them came after fractures or even simple sprains. There was always a trauma of

some sort though in some cases it was very slight Lehmann does not answer the question of whether the bone proliferation originated in the muscle or periosteum because the osteoblastic form originat ing from periosteum and the metaplastic originating from connective tissue appeared side by side But there was certainly some purely intramuscular prohiferation of bone without participation of the periosteum. As evidence he cites the rontgen pic tures and the findings on operation where bone and

periosteum were found completely intact Several factors are brought forward as possible causes of the ossification of the soft parts first that the anatomical form of the elbow with its various projecting ends of bone renders it specially hable to mechanical injury hamorrhage plays a certain part in the formation of new bone and also the synovial membrane But there is still the question of why ossification should occur so often in the elbow and not in other joints. It cannot be explained without the hypothesis of individual predisposition

As to clinical course and diagnosis the author with others believes unreservedly in conservative treatment for these bone proliferations tend to disappear spontaneously It is especially impor tant in treating recent injuries to avoid all forced movements The prognosis depends on the kind of proliferation, its size and location and its canacity for absorption KNOKE

Leonhard: Treatment of Tuberculosis of the Shoulder, Elbow and Wrist Joints and Ita Results (Über die B b ndl ng der Tuberkulose des Elbogen und H dgelenks und ihre Bestr kl Ck 19 3 lzzvu 125 Erfolge) Bestr M Ch 19 3 lxxvu 125 By Zentralbl 1 d ges Chir u 1 Grenzgeb.

The author collected the results that have been obtained for the past 10 years at Garre's clinic in the treatment of tuberculosis of the upper extremity Of 145 cases treated 25 were tuberculous of the shoulder 70 of the elbow and 41 of the wrist joi t The treatme t was ind vidualized according to the natomical location and the function of the joi t The average age of the patients with shoul

der joint tuberculosis was 27 3 years In the et ology the disease was reported as spon both cases the lumen of the medullary canal was practically obliterated having been replaced by irregular lamella of bone

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H W MEYERDING.

Lehmann E Post-Trautnatic Ossufication in the Region of the Elbow Joint (Postt unattacke Ossuficationen im Gebiete des Ellenbogs gelenks) Desis he Zisch f Chur 9, 4, exrvi 3 By Zestrabb f d ges. Chir i Grenzgeb,

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Lehman does not answer the question of whether he hose prohiberation originated in the marge repensively the person of the perso

Several factors are brought for and as possible several factors are brought for and as possible several factors are brought for and as possible several factors are because the national factor of the both parts fact that the national factor of the both parts are also been rendered as the several factor of exchanged in the formation of new bone and also the several factors and the several factors are several factors. But there is still the question of whe membrane. But there is still the question of which membrane factors are several factors and not in other joints. It cannot be explained without the hypothesis of individual pricasposition.

As to chureal course and diagnoss the author with others believes unnerveredly in conservative treatment, for these bone problerations tend to disappear spontaneously. It is especially important in treating recent ununes to evoid all forced movements. The prognoss depends on the kind of probleration, its size and location, and its capacity for absorption.

Knozz.

Leonhard Treatment of Tuberculous of the Shoulder, Elbow and Wrist-Jounts and Its Resulte (Uhert de Bandlung d' Tubercules des Schulters Elbogen and Handgelents and ihre Erf lge) Beit 8 Ma Char 9 3 kersil, 5. By Zentralbi i diger Char a Grengele

The author collected the results that have less obtained for the past of years at Garre's clause in the restinent of tuberculesian of the upper estimately the restinent of tuberculesian of the upper estimately shoulder 79 of the clow and 41 of the white of the tubercules of the tubercules of tub

der joint tuberculosis was 27 3 years
In the et ology the disease was reported as toon.

tancous in 17 cases due to trauma in 3 and hered itary taint in 3. The diagnoss may be confused with outcomyclitis apphilis and arthmis deformans to 31 5 per cent of the cases the disease was in the humerus alone in 10 5 per cent in the articulation between the civicies and seromion process in 11 dependent of the control of the confusion of the 47 per cent the whole shoulder joint was unjoined There was carries specia in 2 per cent.

The treatment was conservative consisting of injections, Biers in percentia, hot air and rest. If this was not successful exceeduation or even resection was performed. Eight cases were treated conservatively exceeduation was done in 5 and

resection in 12

The author comes to the conclusion that the resected cases gave the best permanent results The etological factors were the same in tuberculous of the elbow joint as in the shoulder joint. The

entire folial was involved in 60 a per cent of the cases. Garde believes that in children it should be treated conver-aimedy by placing the arm at rest in the fight-ingled position while in adults resection should be performed. Resection was performed in a cases and the immediate and late results were formed as times and 50 of these cases recovered formed no times and 5 of these cases recovered completely. Amputation was performed in 4 cases

Of the cases of wast front tubercutions which were treated or seer to make and its fermiles. The right hand was charfly involved in the males. The right hand was charfly involved in the males were stated with tubercutions of the wrast fount at a more advanced age than in the other two joints. The treatment was as conservative as possible and when operation was performed the neighboung tusines were approximely and only the diseased tissue being removed and conservative after textunent gives in tuberculosis of the waste fasts to each etc. The tuberculosis of the waste fasts to each etc. The tuberculosis of the waste fasts of each etc. The tuberculosis of this point offers the worst prognosis of all the forms of joint tuberculosis of this as to his fand function.

VORSCHUTZ.

Allison N Tuberculosi of the Hip; an Analysis of Twenty Fi e Selected Cases T Am Orth

At Pauls, 9.4 June. By S. 17 Gymca Abes.
The purpose of the arricle is to consider the relative value of prolonged traction and prolonged fination in tubercial in placeses. The litrat is to bright reviewed. Bradford's fraction splint was used on fourtee cases and fination plast is of Paraspicas on I ven These cases are reported after a spicas on I ven These cases are reported after a spicas on I ven These cases process has bealed and the results of time has elapsed to justify the conclusion that the descate process has bealed and the results of the termination of time has elapsed to justify the opportunity of the properties are the process of
The average shortening where plaster of Paris spicas were used was 1 45 mch where the Bradford

traction-abduction spints was used it was 56 of an not. Where plaster of Faras spicas were used the average atrophy of the thigh was 1.47 mel and of the call one half fates where the shadout institute abduction apints was used the shadout rection abduction apints was used the shadout rection abduction apint was used the shadout rection and the thigh was 1.27 inch and of the call of position from this latter observation the conclusion may be drawn that it he use of traction does not materially increase the amount of atrophy. Moreover, the shadout of the shadout of the call of Paras species the cases tracted with plaster of Paras species.

The author is led to conclude further that in any treatment given tuberculous of the hip it is essential that the case under treatment be very carefully watched. This is most easily done where it is necessary to observe the case frequently a condition made precessary by the care of the treatment shall be a second to the case of the treatment shall be a second to the case of the treatment shall be a second to the case of the treatment shall be a second to the case of the treatment shall be a second to the case of the treatment shall be a second to the case of the treatment and the case of the treatment shall be a second to the case of
Abacesses have occurred in 331/2 per cent of the cases treated with plaster of Paris spices and in 40 per cent of the cases treated with traction abduction splints

Rogers, M. H.: Tuberculosis of th Knee in Adults: Prognous and Treatment Tr. 4to Orth 41 Phila 914 June

The author reports the cases of tuberculous of the knee in adults at the Orthopedic Chanc of the Massachusetts General Hospital during the last fourteen years He compares the nature of the ducase and the results of treatment with similar stitutes from certain children a chincis

One hundred consecutive records of tuberculous of the knee were studied to ascertain the results of the most common form of treatment fination by means of plaster of Paris bandages there being no record of a case cured by the conservative method

Tenty-six cases were studied very thoroughly during the last four years all of them being subjected to operation, and it was found that as far as can be proved chincilly all but one case had its origin in the sphorus which is contrary to the ordinary conception that tuberculous starts near the priphysis a destends to the captule secondarily

The conclusions as to treatment are that conservative methods do not above good results that extsons when performed after there is marked destrution of the joint cause a slow convolucement that better results will be obtained if an excusion is done se early as the diagnosis can be made point ely that it is often necessary to perform a ploratory arthrotomy to make a pointive diagnosis

Hayem I., Penetrating Injuries of the Luce-Joint (Les places penetrantes de l'risculat on d'genou) Thirst d'dot P2 19 4 By Journal de Chrurge

The author' work considers only in mes to the lace in twil life. They are more sensors than is generally beheved and of the ases coundered in this thesis not one escaped surgical intervention. The functional result was certainly better in the

R O RITTER

cases operated upon early The three deaths were in patients operated on late from the fourth to the tenth day In one case there was resection of the knee with recovery all the others were treated by

extensive arthrotomy The conclusions reached are In slight joint injuries immediate arthrotomy should be performed if there is a foreign body arthrotomy within the first twenty four hours if there is distention of the synovial sac in other cases the surgeon should be ready to intervene at the first

sign of joint infection 2 In large muries dramage should be freely used after excision of the contused tissues

In case of persistent suppuration and aggravation of the general condition, resection of the knee-joint should be performed without hesitation LÉON IMBERT

FRACTURES AND DISLOCATIONS

Moore J E. Fractures of the Neck of the Femur Old Dom nuo J 9 4 xvii, 33 By Surg Gynec & Obst.

The author advocates very warmly the so called anatomical method of Maxwell of treating fractures of the hip He states that Maxwell Ruth Whitman and others have demonstrated the fact that fractures of the neck of the femur can be treated about as successfully as those of the shaft and that the prac tically honeless prophosis as to function given in most textbooks is based on the results of the older meth ods of treatment

The reason for the failure of the old method lies in the fact that the fragments are not brought into apposition Maxwell's method in brief consists in adding a side pull to the Buck's extens on the result of the two pulls ber g a pull outward in the long axis of the neck of the femur thereby rendering the capsule tense and bringing the fragments into proper

relation The method allows full control of the hmb so that the tendency to eversion may be easily corrected Slight flexion movement of the knee is poss ble which in older people is of especial advantage in preventing ankylosis. The patients are allowed and encouraged to sit up in bed and there is no danger of disturbing the fragments because the head rotates in the acetabulum. This adds much to the comfort of the patients and prevents hypostatic pneumonia. The author believes that while Whitman's method of extrem abduction and etention in plaster is un doubtedly the best for children Maxwell's method is to be pref rred to ad its because it is more com fortably and con emently applied

F J GARASTEN

Scott H A A Treatment of Fractured Femur J Ohl St W Ass 9 4 \ 452 By Surg Gynec & Obst.

The treatment of fractures of the femur by means of Brown s modification of the Hodgen splint is described. The split is recommended because it

is cheanly and easily made at is easy to apply and keep in order it is comfortable for the nationt and the results are perfect in almost every case. The natient sits up in bed from the time the splint is applied. The author especially recommends its use in the treatment of intracapsular femur fractures A Buck's extension is applied to the leg and attached to the distal end of the splint This holds the leg well down in the splint and is also the means of applying traction. The splint containing the legis suspended from the ceiling so that it hangs freely at all times By adjusting the straps or cords the eversion is slightly overcorrected and the longitude

nal axis of the leg is preserved Abduction is produced Parthenay C de Treatment of Fractures of the Leg by the Ambulant Method (Contribution & du traitement des fractures de jambe par la méthode de marche directe) Thèses d doct By Journal de Chirurgie

by pushing the bed to one side

The author reviews the various methods of treating fractures of the leg with special considera-tion of the ambulant treatment. He describes in detail Guillot and Boissière's bivalve apparatus and Delbet's apparatus. The advantages of the former are its removability the possibility of dressing the wound of an open fracture and the possibility of removing the apparatus at might about the twentieth day also the poss bility of giving the patient other treatment such as massage electricity and hot air and the fact that a sufficient degree of pressure can always be preserved by tightening the crepe bands even after the disap-

pearance of the cedema The simplicity of Delbet's apparatus is emphasized It can be applied in most fractures of the leg even when low down it permits inspection of the site of the fracture but has to be changed two or three times as the cedema decreases Twenty three cases of fracture of the leg treated by this method are reported 16 of them with Delbet a apparatus Unfortunately the histories are too brief to be valuable as statistics. Six of the cases were fracture of the tibia in children from 6 to 16 with very little displacement In 7 cases Guillot and Bossière a apparatus was used one was a compound fracture of both bones of the leg, but the apparatus was applied only 6 months after the accident because a fistula persisted The other 6 cases were oblique fractures of the tible with fracture of the fibula but with little or no displacement. The apparatus was applied soon after the accident and the results were satisfactory the patients being able to resume their work very soon.

Angilotti G Study of Anterior Dislocation of th Head of the Rad us (Contribution & l'étude de luration téneures de la t te d'radius) Riformi Reforma med 9 4 XXX 89. By Journal de Chirurgie.

The first case reported was a recent forward dislocation of the head of the radius A boy of 8

while carrying his little brother on his back fell and struck on his elbow Examination an hour later showed (1) Decrease of the transverse diameter (a) increase in the anteroposterior diameter (a) the bony projection of the head of the radius could be felt and movements of the diaphysis communicated to it (4) complete extension was impossible and flexion could not be carried to more than a right antie Radiography confirmed the diagnosis of dislocation without fracture of the ulna Reduction was easy by hyperextension and traction on the forearm while the head of the radius was pushed toward its cavity There was slight compression on the head of the radius and immobilization in a position of extension There was such severe pain in the forearm that it was necessary to open the apparatus. A diagnosis of radial neutris was made which was overcome by massage hot baths and electrical treatment. Radiography to days later showed good reduction

The second case was an old dislocation of the head of the radius A boy of 7 had fallen with his arm in forced extension a year before When he entered the hospital there was valgus of the elbow to 155 degrees a spherical tumefaction which was the head of the radius limitation of extension flexion was possible barely to a right angle Radiography con-firmed the diagnosis The bead of the radius was resected and the arm immobilized in extension for 12 days. The result was excellent as flexion and

extension became normal

The author emphasizes the possibility of injury to the radial nerve. In old luxations he thinks the new joint that is formed often permits almost all the necessary movements without any operation In recent dislocations radiographs should always be taken He believes that reduction should be m in tained by immobilization in extension and moderate supposition At the same time there should be slight pressure on the head of the radius If this is not sufficient open operation must be performed. In old dislocations the operation of choice is conserva tive resection which gives good results and allows the development of the function of the joint

De Smeet describes a curious lesion which he has not found described anywhere in med cal literature and which he therefore considers, if not unique at least extremely rare A man of 25 had been treated for an open fracture of the middle third of the leg by careful disinfection with tincture of iod ne unmobilization and massage. He had left the hospital at the end of three weeks apparently com plet ly cured but returned about three weeks I ter He walked perfectly as well as before the soude t but he complained of a painf I sensation in the sole of the foot at the head of the third metatarsal The

pain was not very acute and was produced by pressure of the foot on the ground.

Upon examination it developed that the patient had had another injury which had not attracted the least attention during his stay in the hospital There had been complete luxation of the fifth and seventh metacarpals one under the other inwards and fracture of the head of the third metatarsal Radiography confirmed these facts A very remarkable feature was that while the metatarasis were displaced inwards the phalanges of the toes were in an absolutely normal position. The lesions scemed to indicate that the foot had suffered con siderable violence at the external surface of the row of metataryal, while the toes were fixed in some Jashion so that they could not follow the Impulse

The patient had never complained of his foot all the manipulation in reducing the fracture had not caused any pain in that region although the physician who cared for him at the time of the accident said that his hoe had been torn into shreds The author has him under observ tion and if the pain increases, a greater or less part of the dislocated metatarsals will doubtless have to be

Feldmann A. A Case of Central Lusation of the Fermur (El Fall von Luxation femoris centralis) Discretal o Halle 913 By Journal de Charurge

Central dislocation of the femur-that is the penetration of the head of the femur through the perforated acetabulum into the pelvis—is one of the rarest dislocations of the hip joint. In all cases it is caused by great violence It is purely traumatic. The first symptom is the position of the hip on the

affected s de In the authors case there was flexion and outward rotat on. In other cases the position is different Sometimes bduction and outward rotation sometimes adductio and out ard rotation In all cases there is outward rotat on. Replacement is typically easy and gen rally not cry painful but after the cessation of the f rce that has restored the leg to pos tson it slowly settles Treatme t n uncom buck nto the faulty positio Treatme t n uncom plicated central dislocation con use chiefly in replacing the displaced head of the femur The FRITZ LOES prognosis should be guarded

SURGERY OF THE BOXES, JOINTS ETC

Morentin H Disarticulation of the Hip with Resection of the Hip with Resection of the Acetabulum in Old Cases of Countil (Dasartculation d la hanché vec résection d coyle dans les seilles cor less) résoction d'exigne de Par 9 3 508 Bull et mêm Sec nat d'Par 9 3 508 By Journal de Chirurgie

The author reports two cases of resection of the h p and accretabilism in tw patte is one of whom had had a fistulous coxalga for 14 years, the other for 10 years had had a coxalga? Which had apparent ly recovered but had recently been complicated by a fracture of the femur In both cases function was destroyed and the diseased limb was troublesome and dangerous

The operative technique was practically the same in both cases The limb was placed in a position of fleuon adduction and internal rotation and a racquet-shaped incision made with the handle of it externally beginning in the posterior part of the iliac fossa and descending to the trochanter or a little below The body of the racquet was almost transverse and passed inside at a little distance from the permeal groove The section of the soft parts was made from behind forward. The chief diffi culty encountered was in the femoral ankylosis After section of the penarticular adhesions great force was necessary to free the head of the femur from the pelvis. The violent blows that were necessary produced symptoms of shock in the patients who grew pale the pube became feeble and then imperceptible. The operation was com pleted by resection of the acetabulum with the saw scissors and hammer and especially the gouge forceps which avoided the necessity of any further shock The results were excellent not only in these 2 cases but in 3 others operated upon by the author

Rogers J Autogenous Bone-Grafting for Fracture of the Patella. Az Su g Phila 914 kz 483 By Surg Gynec. & Obst

Rogers reports two cases of fracture of the patella treated by how transplantation the bone-graft one and one half inches by three-fourths uch by one eighth under the half with presenteum being obtained from the patient a own tibia on the affected leg. This bone was placed longitudinally bringing the fractured line in the patella. In one case after eight weeks there was an apparently prefere treat and in the other the result seemed perfect after a subult had been worn for as week.

M S HEYDERSOY

McWilliams G. A: Methods Suggested for Bone Transplantations. A S g Phila 9 4 hz, 465 By Surg Gynec & Obst

McWiliams reports that in a sense of experiments every graft covered with penoateum lived while of twenty five grafts made without penoateum only 48 per cent lived II econcludes that the blood supply is the all important feature and that massumch as the penoateum plays an important part in the blood supply it should always be preserved altimate fragments of a living graft transplanted without the penoateum by his experiments successful in oper cent of cases. The same amount accessful in oper cent of cases. The same amount of the control of

lack of function of the periosteum in maintaining the

The remainder of the paper is interesting but does not readily permit of abstracting Under the head of general principles he emphasizes the necessity of sappis autogenous transplantation avoiding the introduction of wures nails, screws etc where possible and absolute fixation of the lumb for five months Technique and cases from the hierarture are cated to prove the points M S Housseov

Semfini G An Attempt to Replace the Upper Extremity of the Humerus by a Graft of Dead Human Bone in a Case of Resection for Sar coma (Comaderisons sur use t nistive de rem placement de l'extrémité supérieure d' l'huméris par une greff humane do mort dans un cas de résecto del extrémité supérieure de l'huméris pour sarcone) Péd d' Roma, 1942 art 32

By Jo mal de Chirurgie

Five cases are reported in the literature of longgrafts to replace parts of the humens resceted for vanous kuds of tumors. Lesur's case is the only one of these that was successful the patient recovered the graft was well borne and the shoulder function was preserved. In the 4 other cause the graft was discharged or had to be removed. This bernet was discharged or had to be removed. This terrate

A young man of 16 had a round-celled sarcoma near the surgical neck of the humerus but the shoulder joint was intact Bajardi resected 17 cm of the humerus, including the head of the bone the incision was carried into tissue that was apparently normal about three finger breadths below the tumor This long segment of humerus was immediately replaced by a piece of the same length which was fixed to the distal end of the humerus by bone wedges. It had come from the body of a man of 60 with cirrhosis who had died from surgical shock 27 hours before It had been removed carefully, the skin of the arm was disinfected with tincture of todine and the same precautions exercised as in an operation on a living subject. The bone was rapidly removed with its periosteum the marrow extracted with a curette the bone immersed in Ringer's solution and kept at a temperature of 2° C It was used three hours after removal Cultures had been made to prove that the periosteum and marrow were perfectly sterile. The tendon of the pectoralis major was reinserted on the graft

The patient bore the operation will be wound headed by first intent on on the first be wound headed by first intent on on the first between 50 and 120. The graft seemed to flavore taken and on the twenty-seventh day the lumb war moved. A fixtue opened at the lower part of the incason on the twenty muth day from which a prundent I qual was duckarged. The patient left the hospital the thirty fifth day with the fistual persisting. He returned five days later with the fistual closed but with a recurrence of the sarroma in the remaining segment of the humerus and

metastases. He died the eighty fifth day Radiographs taken the thursteth days showed aractions of the spongy tissue of the graft. Autopsy showed that the graft was dead it was surrounded by a thick grayah connective-tissue membrane but there was no remote between the two segments of the humerus there was no true of callus. Under the microscope there were undoubted sgas of nocrosis.

Henderson M S The Treatment of Ununited Fractures of the Tibits by the Transplantation of Bone. A Su g Phil: 1944 ht 486 By Surg Gynec. & Obst.

Nine cases of ununited fracture of the tiba are reported one recent but in the remaining 8 cases audicient time had elapsed since the operation to give a perfect functional result. All were males Syphilas was ruled out in all but one case and that was contracted after non-union had existed for one year.

The inlay and not the intramedullary method was used in all the cases and a stoward as a more anatomical operation. All healed without sepas though in two cases alongh of the old sex caused an ulcer which stayed clean and granulated over 1t would seem as if the transplanted bone observed by subsequent 3. Tay pictures lives and functionates without hours explaced by new bone when implicated the graft to penosteum of the shaft and cortex to graft to penosteum of the shaft and cortex cortex, and medullary hinns or medulary lining A piece of cortical bone placed in the medulla a slowly absorbed for here it is practically a foreign

body The technique is simple Either by the aid of the chisel or the motor propelled circular saw a piece of bone is removed from the internal flat sur face of the tibis The bone should be of suff cient length to make a substantial bridge usually 2 or 3 inches long and about one half such wide and should include all the layers This is taken from the longer fragment A piece the same width in the same line is then removed from the smaller frag ment This is saved The larger piece of tran-plant is then inverted so that sound bone will bridge the line of fracture. The part which was the upper end fits into the angle distal to the fracture in the smaller fragment. The piece removed from the smaller fragment is then used to fill the remaining gap in the longer fragment. Both pieces are sewed in by stitching the periosteum of the transplant to the periosteum of the shaft. The skin is then closed with silkworm and horsebaur and the dressing applied A plaster of Paris cast is applied to include the knee and ankle. This is removed at the end of two weeks the sutures are removed and a new cast put on which is left from four to six weeks

Further tre tment is guided by the individual needs. Union is usually firm enough to permit walking in from 3 to 6 months. Robinson E. F Treatment of Ununited Fractures of Tibia by Intramedallary Bone Transplants Report of FI e Cases. A Surg. Publ., 1914 by, 495 By Surg. Gyner & Obst.

Within the last year Robinson has successfully treated five cases of ununited fracture of the tibia by bone transplantation. In giving the possible cause of non union he advances the theory that a thrombus forms in the nutnent artery of the tible. This non union is more likely to occur he thinks in the upper or middle third for the nutnent artery enters this area. In consequence of this impaired nutrition the process of bone repair is so delayed that connective tissue is interposed and forms a permanent block to the bridging across the gap by the Haversian system of osteoblasts. He thinks that the transplant acts as an osteoconductive structure and he saves the periosteum where possible He has used the intramedullary method in all the cases, first freshening up the ends of the fracture and reaming out the medulls. He reports bony umon in one case in less than a month in another bony union at the end of seven weeks and another at the end of twelve weeks Autogenous transplants were used, and all were obtained from the opposite tibia M S HEADERSON

Loyett R. W: The Us of Slik Ligaments in Paralysis of the Ankle ty 4, June of Such A Phila By Surg Gynec & Obst.

In view of the contradictory statements with regard to the value of the sith ignment in cases of infastile paralysis causing foot-drop, 79 operations performed at the Children 2 Hospital, Boston from the years 1907-913 inclusive were analysed from the view of the end results. The end results were considered as valid only after the lapse of a year after

An analysis of these figures showed that occasional infection had occurred but not since git and that twithe had occurred with all methods of preparation of silk, so that it was not fair to attribute it to tue of silk prepared by any one formula but to some difference in the technique of the individual operator.

operator

The percentage f success seemed to be largest
in the cases where the bone was drilled, and this
operation seems to be preferable to that where a
persosteal insertion of the sill only is simed at

Cases are kept in plaster for from three to aumontists, and in a retention show until a year after operation. It seems probable that many i lurseoccur from allowing the unsupported weight of the foot to come too soon on the silt. It must be remembered that the silt is intended not set a support of the common state of the common state of the control of the common state of the comton for the common state of the common state of the comton for the common state of the common state of the common state of the comton state of the common state of the common state of the comton state of the common state of the common state of the comton state of the common
The conclusion is presented that the operation is a useful one in prope ly selected cases and in the majority of cases the results are satisf ctory

ORTHOPEDICS IN GENERAL

Geist E. S. The Use of Celluloid Foot Plates.

By Surg Gynec. & Obst
The author following an idea obtained at Lange s
chinic in Munich uses celluloid for arch aupports

The thick celluloid solution in commercial acctions is applied over a plaster model of the foot alternately with heavy tape and steed strips the latter placed longitudinally. After twenty ions hours at is dry and is remove d and it mamed. It is claumed for such plates that they are light in weight inexpensive casily made and fit accurately. WA CLARK.

SURGERY OF THE SPINAL COLUMN AND CORD

Adams Z B The Relation of Bony Anomalies of the Lumbar and Sacral Spine to the Cause and Treatment of Scollosis T Am O ih A Phila 1914 June By Surg Gynec. & Obst

The paper is founded on statistics from the routine clinic of secolous at the Missachusetts General Hospatal. An inspection of the Y ray plates above that o per cent of this series being infantile paralysis had symmetrical series, with the spine sagging from the top due to the letting off of the stays of one side of a compound mast, 6 per cent were due to lesions in the dorsal spine blifd bodies etc. and showed symmetrical series with the lumbar spine sagging and rotated 88 per cent showed companial defects in the serum or lose lumbar veribra. These defects were due to errors in fusion or development of the centers of consistents on or development of the centers of consistents on or of their pro-

From this study it is concluded among other things, that a careful X ray investigation is essential before any attempt at treatment of lateral curvature. In each case the mechanics of this part of the spine should be carefully considered for anomalies of this region are frequent without any scolous.

The study also shows that in some cases, correction cannot be obtained until the bony obstacle to such correction has been removed that in many other cases an operation must follow correction in order to obtain and misuriain a stable base on which

the spine may rest

In the early cases exercises should be directed to
reducing the anterior lumbar lordonis thus diminish
ing the downward inclination of the upper surface
of the sacroum and to maintaining a flat back position in stating
and a round back position in stiting

Osgood R B and Bucholz, C. H: An Apparatus f Obtaining True Comparative Photographic Records of Scollosis T Am Orth Att 1 h is 9 4 J By Surg Gyace & Obst.

The authors have been impressed such the lack of true comparine photographic records of acolonis. Thy realize that any apparatus must be simple une really applicable and cheap in order to meet the dem rids of hospital and pri ate sort. They have deviced a frame consisting of two upright posts firmly fixed in a base board on the front of which are put ted feet and inches. On each of these poets ald two houseands have settending backwards, the upper and lower pair of which are connected at

the back by a cross bar On the cross bar connecting the two honzontal bars and on the honzontal bars are adjustable pelots

The patient stands on the base board in the snace enclosed by the horizontal bars and their connecting cross bars. The horizontal bars and pelots are then adjusted so that for a back view the pelots of the lower connecting bar touch the anterior superior spines and the pelots of the upper bar touch the The pelots always extend an equal distance from the bars and therefore a view of the natient is obtained in a constant plane A stereoscopic camera is used with constant lighting and constant distances For the view in forward bend ing to show rotation a bar has been devised with a spirit level on top Two pelots extend downward from this bar the lower one of which is adjustable and slightly longer than the upper The upper pelot is placed in the vertebra prominens. The lower pelot is placed on the top of the sacrum and the patient bends forward until the bubble of the spirit level is at its midpoint when the photograph is taken

Thomas, Ii B: Artificial Ankylosis of Spinal Vertebrae T Am Orik A 1 I hila 19 4 June By Surg Gyacc. & Obst

This article is a report of experimental work under taken to determine the question of growth in length per se of the auto bone graft placed in the back to cause fivation of the vertebre. It is presumed that if the graft does not grow when placed and that since the spinal column does grow as much as nine inches in length in some instances then the tend ency would be for the graft to prevent growth in length of the spinal column in that area over which it has caused ank) losis thus producing a deformity of the back kittens were used for the experiments and careful observations during life and after death were made Tentative conclusions ind cate among other things, that the auto-bone graft does not grow in length per se yet actual observations did not show any deformity

Nash J B Laminectomy for Spinal Injury A : traits M Gar 914 x v 114

By Surg Gynce. & Obst.
The author reports two cases of fracture of the spine treated by lam nectomy

The first case was that of a man of 44 who had

fracture of the spine with paraplegia from the lumbar region down the ninth and tenth dorsal spines projecting markedly. An incision was made over the last five dorsal and first lumbar vertebrathe muscle and fascia were dissected away and the spinous processes cut away with hone forcers level with the lamina. The spinal canal was completely exposed between the eighth and eleventh dorsal ver teore and was found to contain only fibrous strands the cord proper have g entirely disappeared. This

operation was done eight months after the injury The second patient a man of 35 had compl te flaccid paralysis of both legs loss of reflexes and a bed sore in the lumbar region following injury to the back. About a neek after the injury inci ion nas made over the tenth dorsal to the third lumbar vertebre and the spinal canal exposed. The cord was found to have been crushed at the level of the lower edge of the tenth dorsal. After six months the nations was in better condition

N A CEARS.

Collins, J and Eisberg C.A.: Giant Tumors of the Conus and Cauda Lquina Am J M Sc 1014 By S rg Gynec & Obst. ctl u 403 Tumors of the cauda count and of the conus cause symptoms which are considered fairly pathog-

nomic although early the lesions are often mistaken for some other cond tion The authors re port three such cases with two recoveries. One was as endothelioma and the other two were endothelial sarcomata

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The important features of the chii cal histories of the patients were the following

- r A history of two or more years duration 2 Pain in the small of the back sooner or later extending down one and then the other extremity
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of the dura and could be easily freed When the patient was last examined his comlaints were Pain in the back and right thigh feeling of stiffness obstanate constinution no feeling when his bowels moved ELG VE CARY

Taubensching D: Operation with Recovery in a Case of Tumor of the Dorsal Cord (I men de

la moelle dorsale pérév et guené) Res Soc mod e gent Buenos Aires 1913 xx1 100 By Journal de Chrurge.

This tumor was the shape of an elongated oh e

27 mm long and 15 broad Its lower pole was free the upper one being fixed to the fourth dorsal ver tebra It developed slowly in a young woman of 22 after a normal delivery the first symptom being a feeling of heaviness in the lower limbs which at the end of three months were almost completely paral-3 zed All the trouble was localized in the lower limbs but passive movements could be made readily There was ankle-clonus on both sides Babioski a sign only on the right, there was abolition of sensa-tion in a band around the thorax corresponding to the innervation of the sixth dorsal root With a diagnosis of extramedullary tumor operation was performed consisting of isminectomy of the second to the fifth dorsal verteb at A hard tumor was found to occupy the left two-thirds of the ertebral can't and the cord was flattened against the right aide It was not adherent to the d ra mater but was fixed to the bone by a pedicle which was easily ligated There was no drainage Recovery was uneventful and on the tenth day the patient could walk easily. The a asthesia of the thora also disappeared Histological e amination of the specimen showed it to be a fibrosarcoma

SALV MERCAPÉ

Alurraide M: Compression of the Dorsolumbar Cord by a Fibrosarcoma Excitpation (Compression de l'moelle dorso-lombaire par un fibro-sarcome Extirpation) Rev Sec med argent Buenos Aires, pr3 xx 735 By Journald Chirurge

A man of an for three or four months had had crises of pain starting at the tenth dorsal vertebra tradiating toward both sides of the abdomen Then he began to ha e motor disturbance first in the left and the in the right leg. By the end of the fifth month the paralysis was complete and the pain had atopped. Retention of string and faces developed then acontinence. All the reflexes were exagger ated there was a ble-clonus a d Babinsh a sign on both des there was formication patrasthesia etc. Meningomyelitis philis and spinal lesion were considered but rejected because of insufficient

evidence A diagnosis was finally made of pressure on the lumbar or dorsolumbar cord by an intra-

meningeal tumor
The patient was operated on by laminectomy of
the tenth to the twelfth dorsal vertebre. The
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Histological examination of the tumor showed that it was a fibrosarcoma. The author can not explain the flaccid paralysis after operation that succeeded the spastic paralysis but he is sure that the cord was not sectioned during the operation.

SURGERY OF THE NERVOUS SYSTEM

Julien: Suture of the Terminal Branches of the Right Brachial Pienus for Complete Paralysis of the Upper Limb Sture des branches termanles da pletus brachial droit par paralysis complite du membre supérieure) Edia Mel d and 1013 xxvii, 605 By Journal de Churugie

A man of 35 had to be put in a straightnecket and the volent and prolonged construction of the right arm brought about a patch of gangrene which ulcerated and dacharged large fragments of gan genous tassue after that there was profuse been orthages to whach the pattern almost succumbed. The most proposed is a superior of the pattern of the top of the pattern was descharged in a sattisfactory condition.

A month later the patient returned He had reguared strength and ate and slept well but his night arm hung usert no movement being possible only the deltoid was sparred. The arm was simply a facerd mass of flesh surrounding the bone no anatomical details of the muscles could be made out Insensibility was complete. The skin was

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Details are ge not the electrical examination of
the various muscles which showed that the fiezons
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neighboring nerve that was believed to be the ulnar The operation lasted an hour and was consider ably interfered with by hamorrhage from numerous abnormally developed veins the axillary aftery was completely obliterated Operative recovery was perfect. Late results were as follows. In one month there was no appreciable change Four months later normal motility had made great progress movements of extension and flexion were possible the muscles could be made out under the skin which had regained its normal color Sensation was still dulled Six months later motion was complete except in the muscles of the hand the arm was practically as well developed as the left one and sensation had returned completely. Fifteen months after the first operation the hand had become normal and the fingers had regained motion except the thumb. He could move his arm in all directions and it was almost as strong as the other The case therefore may be called a recovery I DUMONT

DISEASES AND SURGERY OF THE SKIN FASCIA APPENDAGES

Oshims T The Fate of Homopisstic Skin Flaps in Humn Beings (Ube das Schuckal des hombopla tach t pl turn H tlappens be m 31 sche) Arch f h Ca qua cu 440 By Zentralbi I d ght Cur : Grenzgeb

The author gives a review of the results of homoplastic transplantat a published in the hierature some of which have been positive and some negative d that reports a case of homoplastic transplanta ton in a human subject with the results of mi roscopic zam nations made at stated intervals. The result shows that at the end of two weeks the appear ance of the flap is practically normal and perfectly coalesced with the surrounding skim but that it gradually des and at the end of the forty-seventh d y h s completely disusterated

Experiments were then performed on rabbits two you grabbits being fastened together only the ped cle of the skin flap being left as a connection After seven days the ped cle was cut immediately after which the flap showed the same picture as the normal skin. On the for rth day there was a change

fracture of the spine with paraplegia from the lumbar region down the minth and tenth dorsal spines projecting markedly. An incision was made over the last five dorsal and first lumbar vertebra the muscle and fascia were dissected away and the spinous processes cut away with bone forceps level with the laminæ The spinal canal was completely exposed between the eighth and eleventh dorsal ver tebræ and was found to contain only fibrous strands the cord proper having entirely disappeared This

operation was done eight months after the injury The second patient a man of 35 had complete flaceid paralysis of both legs loss of reflexes and a bed sore in the lumbar region following injury to the back About a week after the injury incision was made over the tenth dorsal to the third lumbar vertebræ and the spinal canal exposed. The cord was found to have been crushed at the level of the lower edge of the tenth dorsal After six months the patient was in better condition.

W A CLARE.

Collins J and Elsberg, C.A : Glant Tumors of the Conus and Cauda Equing Am J M Sc 1914 By Surg Gynee & Obst. CZÍVIL 403 Tumors of the cauda equina and of the conus cause symptoms which are considered fauly pathog

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Taubenschiag, D: Operation with Recovery in a Case of Tumor of the Dorsal Cord (Tumeur de la moelle dorsale opérée et guersé) Res Soc med argent Buenos A res 9 3 xx1 1001 By Journal de Chirutgie.

This tumor was the shape of an elongated olive 27 mm long and 15 broad. Its lower pole was free the upper one being fixed to the fourth dorsal ver tebra It developed slowly in a young woman of 22 after a normal delivery the first symptom being a feeling of heaviness in the lower limbs which at the end of three months were almost completely paral yzed. All the trouble was localized in the lower limbs but passive movements could be made readily There was ankle-clonus on both sides, Babinski s sign only on the right, there was abolition of sensation in a band around the thorax corresponding to the innervation of the sixth dorsal root. With a di gnosis of extramedullary tumor operation was performed consisting of laminectomy of the second to the fifth dorsal vertebre: A hard tumor was found to occupy the left two-thirds of the vertebral canal and the cord was flattened against the right side It was not adherent to the d ra mater but was fixed to the bone by a pedicle which was easily heated There was no drainage Recovery was uneventful and on the tenth day the patient could walk easily The angesthesia of the thorax also disappeared. Histological e amination of the specimen showed it to be a fibrosarcoma

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Savya Mercone.

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A man of 35 had to be put in a straightjacket and the volent and prolonged construction of the night arm brought about a patch of gangrene which ulcrated and discharged large fragments of gan grupous tissue, after that there was profuse hem orthages to which the pattent almost succumbed The hemorrhages were family controlled the wound healed and the natient was discharged in a satisfac

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Details are given of the electrical examination of the various muckes which showed that the fiences of the forearm and hand were most involved particularly in the region supplied by the ulian It was decided to try freeing the compressed nerves or even auturing them if they were destroyed A large meason which is used for light ng the authory artery in the avails, was made and the mass was four of which had been felt through the skin It was formed of hard central tissue surrounding the anilary vessels and all the nerve-cords of the brachal plexus. The elements were carefully dissected and it was found there were of ragments of nerves some of them united by a sleader fiber which the author could not be sure was nerve-tissue. The fragments belonged to the musculocutaneous median uliars internal cutaneous, and radial nerves the upper end of the unternal cutaneous could not be super to the country of the

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DISEASES AND SURGERY OF THE SKIN FASCIA APPENDAGES

Oshima T: The Fate of Homoplastic Skin Plaps in Human Beings (Ube das Schuksal des homoplastich t plant erten II il ppens beim M sche l drek f ll Ck 1914 cm 440 By Zentrabli f d gbt Chr u Greageb

Th author gives a review of the results of homoplastic transplinit tion published in the hierature some of which a ebeen positive a disone negative and then reports a case of homoplastic transplanta tion a a human subject with the results of m cro scopuc exam nations made at stated attervils. The result abows that at the end of two weeks the appear ance of the flap is practically normal and perfectly coalesced with the surround g skin, but that it gradually dies and at the end of the forty-seventh day has completely disnitegrated

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in the tissue the meshes of the slin tissue were crowded with red blood-cells and there was marked distention of the capillaries. It ended in dry necrosss of the far

From his experiments the author concludes that the homoplastic flap does not take and gives three possible reasons for this The first is the opinion field by Rubbert Ehrlich Schöne and others as to the difficulty of assimilating foreign albumm. The accord is the primary twu effect of the issue juries of the host on the transpiant (Lock). Schöne) And third, the immunity reaction which may be regarded as a secondary anaphylatic reaction (von Dungern Ehrlich, and othern). Microscopic picture and exchangions are added to the work.

Vorscuttz

MISCELLANDOUS

CLINICAL ENTITIES—TUMORS, ULCERS, ABSCESSES, ETC

Grawitz P Report on Grawitz s Results in the Study of Cell Formation by the Method of Harrison and Carrel (Abbau and E tandung des Hertzklappengew be Verlag Richard Schotts, Berlin, 914 By Sr Gynca & Otto

Twenty five years ago Grawitz of Grelisvald, took usite with the exating prevalent dopms and proclaimed that the puscells of the human being were derivatives, not of the blood but of tissue-cils which were liberated in consequence of a hopefaction of the issue I was possible for him human being the state of the state of the proclaim of fluid occurring in inflammation and sound being elements having the value of cell jung on the smaller bundles of the fibrous connective tissue in a resting or machine state either snepable of being stained with all usual methods of nuclear staining or at least white years and the state of the resolution of the state of the state of the resolution of the state of the

For the various usues above all for the cornex in particular Grawitz and his pupils have long and demonstrated the origin of the windering cells from the fixed cells of the tissue. The majority of pathologists have looked selected the doctrine and disputed its correctness saying that Grawitz would really thereby abandon the law of various

were collision collision and he cells arrang from dead intercellular substance. The discovery of Harrason and Burrows that tassuc-cells could be encouraged to proliferate sithout the body stanulated Grawitz in conjunction with his pupils Schiedte at Olbig to again take up the question of the origin of the wandering cells in the corner and heart value. By the employment of this method it seems possible finally to exclude the possibility continuation and the standard of the contract of the continuation of the contract of the possibility of the passibility of the contract of the contract of the plasma and lide can be secured scrupulously free from leucocytes.

proliferated, consists of stellate shaped cells The nuclei of these have increased amnotically and secured the maternal for the body of their protoplasm

and its processes from the clastic fibers 2. The Karickenzilles 1 type is represented by cells, which in contrast to those of type 1 are large polygonal or swollen and vacuolated and have an odvised amitotically and to some extent muotically. These cells appear to have secured their protoplasm through the contribution of both white and clastic fibers. In the large cell body of these cells he numerous fat droplets which have probably ansen from the transformed clastic from the transformed clastic from the transformed clastic flam.

3 In the third type the instue of the valve is replaced by issue consisting cheffy or almost exclusively of small monounclear round cells, with clear surrounding area. Many of these monounclear clements have a clear protoplasmic body which has taken the coun markedly Between these cells he multimucleated gain cells scattered about much as mysphilitic granulation tissue. All of these round cells has a career from the ground ambitance through

the carried room the ground administration matter in the transformation into protoplasm.

In contrast to the third type a fourth type of tissue may arise in which the small round cells with simple or fragmented nucleus derive their protoplasm from the elastic fibers above.

These experiments of Grawitz carried out by means of the new culture methods have opened up new outlooks or rather given new points of view with respect to the normal histology and behavior of tissue as well as their pathological t ansiormations. The ground substance is not a dead inter-cillular matter but a most active one capable of trais formary tiself unto the protocologies of the new cells

tenuar master our group serverous republied utree forming tiself into the protoplasm of the new cells Grawits has shown that it is possible to secure by cultivation of corneal and valualar fragments pictures identical with those furnabled in i flammation and would healing but under conditions where the much disputed rols of legicoyes can be excluded

Ballour D C. Th Care of Surgical Patients-Hed Re 9 4 IXXV 378

By Surg Gyner, & Obst.

The author discusses the subject under four h...durgs (1) Care before operation (2) care during oper tion (3) post-operative treatment and (4) advice to patients

- z Detailed physical examination and careful recording of the findings is unperative. The actual preparation in the large number of patients requires of them but little deviation from their usual mode of hving up to the afternoon of the day before operation In emergency cases the preliminary treatment is necessarily abbreviated. In special groups of cases the risk of operation is greatly lessened by appropriate preliminary treatment Among these special types are mentioned exoph thalmic goiter toxic non-exophthalmic goiter disease of the prostate severe anamias due to hamorrhage from uterine fibroids bleeding ulcers of the stomach and duodenum deeply jaundiced patients emacasted patients particularly gastric cases with obstruction of the pylorus certain cases with acute infections etc. The use of alkaloids before opera tion should be limited and probably confined to morphine and atropine
- morphine and arrogane 2. Ether administered behavior to be the moometerial assessible that the result of the moometerial assessible that the result of the majority of casts. Ether by the instrumental method is extremely astasfactory for certain types of cases. A minimum quantity of anesthetic should be used to produce assesthetia which will be just and consistent with the surgeon's work. Carriell exploration, a not unduly prolonged operation maintaining bodily heat as little manipulation as possible no more retraction of wound than is necessary to expose the parts accurate himostassa and a careful toilet to complete the operation, as real factors in discensing the possibilities of post-operative com
- 3. In the after care as in the pre-operative care particular attention should be paid to the special types of cases and to the symptoms and complications as they arise.
- 4 Patients should be instructed as to caring for themselves and as to what may be expected in the way of symptoms after being dismissed from the hospital Post-operative treatment of surgical patients as regards judicious living should continue for several months according to the type of the operation

SERA, VACCINES AND FRRMENTS

Jobling J W and Petersen W A Study of the Ferments and Ferment inhibiting Substances in Tuberculou Caseous M terial. J Exlied 9 4 23, 385 By Surg Gynec & Ob t

The results of this study appear to have a direct bearing on the development of caseation in subculosis. Caseation in tuberculosis is a form of congulation necrosis in which the dead insues rarely undergo autolysis except as a result of secondary presenting a smaller condition. In other cases of congulation necrosis the dead tissues are so a removed by means of autolysis and phagocytosis.

It appeared therefore to the authors that sub-

stances having the property of preventing autolysis must be present in syphilitic and tuberculous

After a long and careful series of experiments the authors feel warranted in drawing the following conclusions

1 Caseous matter obtained from lymph glands which have not become secondarily infected con tains substances which inhibit enzyme activity. These substances consist chiefly of soaps of the unsaturated fatty acids.

2 The inhibiting substances are present in relatively smaller amounts when the caseous mat ter has become secondarily infected. This is probably due to the dilution and washing out of the soans.

3 Ferments are either entirely absent or present in very small amounts unless the caseous matter

has become secondarily infected

4. Caseous material from the lungs contains
smaller amounts of the inhibiting substances.
This may be due to the acuteness of the process
which does not permit an accumulation of the soaps
or to the bunding of the soaps with the ferments

5 Ferments are present in caseous pneumona in the whole emulsion the ferments are less active in an alkaline than in an acid reaction but removal of the scape shows that those active in an alkaline reaction are also present in considerable amounts

reaction are also present in considerable amounts

6 The previous treatment with todine of
caseous matter from both lymph glands and lungs
increases the action of the trypsin

GEORGE C BRILBY

BLOOD

Dejouany Transfusion of Blood Its Principles Indications, and Technique (L. transfusion du sang Ses principes, ses indications sa technique) Arch d méd ei pharm mil Par 10 A live, 41 By Journal de Chrurge

The author gives a very clear and methodical resume of the present know ledge of transition on He discusses particularly its application in war surgery and believes that military surgeous should have at their disposal the necessary instruments for practicing transitions on Adepte knowledge of the blood reactions now enables surgeous to avoid the accidents of kemolysis and agglutination

cents of aemotysis storage description that It has been found by climical observation that It has been found by climical observation that It has been found by climical observations that the real possibility of the first storage of the first storage of the first storage of the conclude that the results have been particularly satisfactory in acute post hemorrhagic antennas especially those following training, surgical operation or deflections of the control of the cont

permanent improvement. There have been no re sults in cancer or infectious conditions but success has repaid the few attempts at transfusion in certain toxemus such as carbon monoxide intoxication pellagra and the permicious vomiting of pregnancy It has been tried in typhold fever but has hardly

passed the experimental stage The author discusses in detail the technique by the two methods of direct anastomosis by means of suture or special cannulas (Carrel Crile Lambert Guillot and Dehelley) and indirect anastomosis (Tuffier) by means of paraffined silver tubes He studies its effects and mode of action and believes that while the indications should not be extended unreasonably it should hold the important place in surgical practice that is justified by its great clinical PIERRE MOCOUOT

BLOOD AND LYMPH VESSELS

Branches of the Nerves within the Ser i Denneus of the Nevenverzwegungen narrhalb der Gellassen di Deutsche Zu b f Verzenheilk 1914 L 505 By Zentralbi i d ges Ch u Grenegeb

Müller and Glaser formerly denied the presence of nerve-centers in the vessel walls and also of networks of nerve-fibers, especially in the deeper layers In later investigations, by means of a staining method recommended by Kreibich they succeeded in demonstrating nerve fibers in the

large medium and small vessels The capillaries were accompanied by and wound

about with very fine nerves the smaller arteries and veins were also surrounded spirally with a rather large nerve and the larger vessels contacted besides the nerve-bundles demonstrable in the surround ing connective tissue a network of nerves arranged in two layers in the adventitis and muscularis with some fibers penetrating into the intima bulbs could also be demonstrated in the vessel walls

The nerve network and end bulbs are acted upon by certain drugs which exercise their effect on the size of the vessels through a local peripheral action Ganglion-cells can be found only in the superficial layers of the adventitia of the arteries of organs they are lacking in the deeper layers

ELECTROLOGY

Clun t, J: Histological Changes Produced by X Rays on Animal Tissues Destructive Power and Stimulating Power of the X-Rays J Ri ige Sec 9 4 By Surg Gymec & Obst.

Clunet has confirmed as d d Regaud and Blanc the pioneer French hist logical work upon the de-structive action of the \tags, rays carried out by Bergonie a d Tribondeau on the testes of rats testicle exposed to the \ rays filtered so as not to h rm the sky shows n cell-changes until twelve to f urteen days have passed when th ammature

cells of the spermatic line are no longer found for the X rays have caused these cells to maturate abnormally fast and only or almost only mature spermatozoa are to be found A month later not one cell of the spermatic line remains.

The rays do not cause indiscriminate destruction of tissue but show a selective action especially for cells that divide most quickly as the cells of a spermatic line and this is the basis of the use of rays in radiotherapy The V rays modify cell evolution causing the mature cells to evolve more quickly than normal, and the immature cells to evolve before dividing so that this particular kind is soon exhausted. The process is exactly the same in the skin. In an experimental acute \ ray burn of a rabbit s skin on the seventh day no change was seen in the connective-tissue cells but evolution of all of the malpighian cell into horn cells except for one thin basal layer Smaller doses over a long time cause atrophy of the epiderm and sclerosis of the dermis In chronic radiodermatitis the skin is much thinner than normal, the dermis is extremely sclerotic without any papillar and the epidermis is

reduced to three or four cell layers. In a severe radiodermatitis of zonal character the hair was preserved at the pemphery near the center the skin was thin and glossy and without hair then followed a zone of ulceration while at the center the tissue was entirely necrotic Histologically the zone of ulceration showed destruction of the middle part of the corpus mucosum of Malpighi at the center the destruction was complete and the dermis was much thickened the essels showed very thick walls and narrow lumin 1 e endo and pen

vasculatītis

He described two cases in detail to show the destructive action on carcinomata. In an stypical ep thelioma of the skin which hist logically resembled rodent ulcer ten days after the first dose the cells became ery much enlarged and there were more karrokinetic changes. Three weeks after beginning tre tment the cells were difficult to distinguish from one another had undergone Leritim zation and later these horny parts were invaded and destroyed by connective tissue blood vessels, and leucocytes When the patient seemed almost e tirely healed, hist logical examination showed the mass to be almost entirely replaced by connective tusue in which were some gia t cells the last remains of the enubelial cells and some dark cub c cells epithelial cells that were not killed but were 1 a sort of lethargic condition which may vplain subsequent recurrences in patients apparently

A rodent vicer g. en one very large dose at the center, without a filter showed histologically at th end of it days, no keratimization at the perip but keratimization progressively increasing from the periphery toward the ce ter where there remanned no trace of epath hal cells - only connective tissue These same changes were see in proceeding rom the depth to the surface

DAVID R. BOWEY

The stimulating or hypertropine action of the X rays can be seen on subjects submitted to very minute doses over long periods of time as a chronal hypertropine, radiodermatitis, later often developing into malignant tumors in which can be seen proceeding from the normal sian toward the center in order first, sample hyperplana then papilloms with colless Atrophic radiodermatitis and hypertrophic radiodermatitis are nearly always associated together

"Cinnet has experimentally produced hypertrophy on rats and by repeated burns a malignant tumor which invaded the abdomes and histologically had the structure of a spundle-cell sarroom. There were no metastases. The development of experimental X ray cancer is generally admitted in France. In the rat sarrooms develops, not sputheloma however the most common shart intoo in man is epitheloma subsequently of the common shart intoo in most spetcholoma subsequently when the rat the exposures are more concentrated. Cluster that the exposures are more concentrated. Cluster has begun experiments on dops and cats with small doses to be continued over a long period of time to see if he can produce cyntheloma.

In the discussion the author said he failed in attempts to transplant his first case of esperimental \(\lambda\) ray cancer of the rat but in a second case he succeeded in 40 per cent of transplaints in getting the tumor to take in very young animals and transplanting it to larger animals and from them to still larger ones That to Crancis Dayno Crancis

Stern S The Present Status of the Non Operative Treatment of Benign and Malignant Growths as Seen at the Clinica Abroad Med Rec 9 4 lxx 615 By Surg Gyace & Obst

From observation of the rontgen technique as practiced at the Freiburg Clinic and its modifications as seen in other places and the radium or mesothorium technique of various operators the

author concludes

1 The extreme enthusiasm displayed by the men at the Congress at Halle was entirely too premature and while remarkable results are accomplished by rad o active substances in the treat me t of cancer the matte is pu ely in the experi mental stage.

2 Even in the short time since the Congress the optimism has cooled and men who made positive statements are becoming more guarded. 3 Only years of work will solve the complicated question of dosage filters and other technique 4. The treatment with radio-active substances has shown sufficient results to justify the surgeon in discontinuing operations in cases of surface car inpatients who can be kept under long observation in patients who can be kept under long observation actual out systematically is still the best method of There is practically no difference noticeable in the action of mesothorum and that of radium

Beebe S P and Van Alstyne E V Treatment of Transplantable Rat Sarcoma by Fulguration S g Gy & & Obst 914, rvm, 438 By Surg Gynec & Obst

The purpose of these experiments was to deter mine by the De Keating Hart apparatus the effects of fulguration upon normal tissues and upon transplantable sarcoma in rats Fulguration over the heart and large nerve trunks caused no injurious effects where applied directly to one vagus no senous results followed but when both vags were exposed to the spark there was a severe reaction followed by death of the animal The local reaction was an intense cedema and infiltration of the tissues. Only very small tumors could be cured by the spark In some cases the small tumors showed inhibition of growth without cure If an area of normal skin was fulgurated and a tumor graft placed in this area immediately afterwards it failed to grow but if the local reaction consequent upon the fulguration was allowed to subside a process which required from eight to ten days before the graft was implant ed there was no failure to grow indicating that the inhibition in the former case was due to the inten sity of the reaction rather than to any permanent

nutritional change in the fulgranted reso planting. Fulgrantion of a timer graft before planting caused a sensors injury to the tissue may specify cert of such grafts showing growth as occured of such grafts showing growth as occupant with 100 per cent in the conitrols. If an incomplete with 100 per cent in the conitrols. If an incomplete operation as smade upon a growing tumor and the remaining portion of the growth fulgranted, cure could be effected provided the section remaining was not more than one millimeter in thickness. The could be effected provided the section remaining was not more than one millimeter in thickness. The fact is probably due to the local function of the spark and not to an upon the application of the spark and not to an upon the super antinomal change in the issue show the tissue show the tiss

GYNECOLOGY

UTERUS

Weibel W : Lat Recurrences after the Radical Abdominal Operation for Carcinoma of the Uterus (Cher Spatte ! e nich der erweiterten abdomi alen Operation bei Carcinoma I teri) 1rch f Gynat 1014 cii 141 By Ze tralbl. I d gee Gynak Geb rt h a d Crenzech.

Very few cases of late recurrence of carcinoma of the uterus are known as most of the cases are not followed longer than five years. It is interesting therefore to follow the cases especially those operated on abdominally for a 1 nger time to determine whether there is ju tif cation for setting a five year limit for observation. Weibel d I this in 160 cases of carcinoma of the cervix 13 had recutrence of carcinoma after 6 to 8 years an I in one case a surcome of the foot appeared after five and

one half years

The reappearance of a carcinoma occurred 6 times in the nigth year 5 times in the seventh year and twee in the seventh to the eighth year Futy per cent of all recurrences take place in the first year, 25 per cent in the second year ar g in the third year and in the following years up to the seventh about 14 per cent also from the fourth year the percentage constantly decreases, an I after the end of the seventh year recurrences are never seen To be absolutely certain therefore observa-tion would have to be extended to the seventh year but this I very difficit and for all practical purposes observation for three years in sufficient In author argues therefore for a redu too of the five year period to three at least for the radical abdominal operation

Richter J: Th R a neration of the Mucous Membrane of th Uterus Iter Curettag (Lur

Regenera son die Lierusschleun't trach 4 sich b-1) C 14 R isch 10 4 van 47 By Zentralbi i d. ges. Gynäk u. (seburish s. d. Grenegeh.

The author discusses the regeneration of the mucous membran of the uterus after curett ge He de ide his work into two parts. In the first he discu ses the results. I his microscopic exim nation of 18 hum n ut n n the second h s e periments with cur itag and rege er to nof the mucous m m brane in dogs lie f d gre t sim I rity In the re s It in the t

itunthet pri Theffet (tilecrett nik mucousmembran varies accords g to whethe the curettage is super fict I or deep I perh tal rett ge the greater or lesser remn ats f the mucou membrane f rm the ba is for a rea astructio f the lost tist e The new f rm tion f th giant takes place chicily through the growing out f the tubes of th glun is that have remained deep down from the cells of which the surface epithelium is restored, by the fifth day the latter has completely covered the cu retted surface

On deep curettage in the fourth week there is a thin isser of young connective tissue rich in blood vessels in which no glands can be demonstrated The tiesue is overgrown with cells which originate from the epithelium of the neighboring parts are a few depressions in the covering ep thelium which the auth r thinks may be regarded as the be graning of gland formation.

Thelihaber Ar Th. Guses and Treatme t. f. Idiopathic Hamorrhag and Discharge from the Ut rus (I) Uraschen ni d Behandian der essent ellen Licenshit gen nids A 1 ves)

A 4 f Gyast 1914 cui 65

By Zentralbl. I d. ere Gynak u Geburtah a. d. Grenzenb

The author dem netrated in 1904 that the thick ness of the mucous membrane of the uterus vanes bef re during and after men trusts n. He found individual variations in the form and number of the glan is (1901) an I claims priority o er II techmann and Adler The increase in the number of glands does not depend on the prementrual period premenstrual gland " often being found at other peri Albrecht Schickele & ller and Henk I are cited in support of this statement. Hypertrophic glands were found in 52 per cent (all cases, hyper

plastic nes la 62 per cent Uters removed by operation re regarded as p tho logical. He regards a normal only the uteri removed from correct those of new born infants and old women and mucous membrane removed from normal in lividual to two places in the mucous membrane are al ke the only constant thing about the premenstrual mucou membr ne being the varia tion in form the hyperxmia and the ordema. He gives fg res a t hyperplasia and hypertrophy of gli is in all the periods of th cycle. He gi es no d finition of h s wn conception of the question In menorrhig a there is always hyperamic of the uteru. There is hemotrhage in tubal diseases even when the overy is intact. In my m to the uterus is extrem ly hyperem In many women there is s creased hamourh go from the uterus a the prechanacteric The ut ru erectile I ke the pen s or the claim but the blood content decreases more slowly II compares the menstrual bleed ug to a spo g the I lier it is the greater the bleed og Th stre gth of the m scle contractions fluences th t pp ge of th bleeds g Dege ration of the connect e tis ue and hyperæm re the two factors that induce the hamorrh ge 1 clear dusch rge

is caused by hypersecretion a yellow one by gonor rhora. The glands of the body of the uterus secrete daily

A short discussion of treatment is given Curet tage is effective many times also cornosives. Styptics also have a good effect as well as systematic scanfication of the os—30 per cent formalin is preferred. Rontgen treatment renders the thickened and hyperæmic uterus small and ansemic and causes existing of the bleedup.

Focke D gitalis in Hæmorrhage of the Uterus (Digitalis bei Uterushi t gen) Therap d Gegens 9 4 i 68 By Zentrahl i d ges Gynak u Geburtah a d Grenageb

Focks has again taken up the digitals treatment in bemorthage it has the least effect in hemorrhage due to organic causes in these cases in hemorrhage due to organic causes in these cases it only supplements local treatment. It has a best to effect in pregnancy and threatened abortion and often asis in carrying the child to term. The best results are obtained in cases where there are no anatomical changes in the uttern. The more name the patient is, the prompter the effect of the digital in full blooded patients it in necessary to give more frequent doses as the effect begins more slowly and does not hast so long

Focke explains the effect as follows: Physiological monstruation is the effect of venous stass if this stass is increased in microstry it is the expression of a local or general disturbance of the circulation which causes severer bleeding. There is seldom real heart disease. Details of the method of treatment are given. Digitalis treatment also seems to give good results in chinacteric bleeding. Bezzz

Bell W B: The Causes of the Non Coagulability of Normal Menetrual Blood and of Pathological Clotting J P thoi & Bacterial η 4 x α 4 By Surg Gync & Obst

The author has carried out a series of experiments in order to determine why mensional blood does not clot

Ilia first experiment proved that an equal quantity of mensitra I blood will not prevent ordinary blood from clotting. The second experiment as to whether an et rat of the endouertum prevents the congulat on of normal blood was negative as the congulat order of the confidence of th

matro I blood did not clot and one where the matro I blood did not clot and one in which it did lot I rom these he w s unable to draw any defi it nelusions till the experiments per form I that not ke up the etiology of why men strual blood does not clot Exerc Care

Schickele G The Relation of Menatruation to General and Organic Diseases (Die Benehungen der Menstruation zu allgemeinen und organischen Ertrankungen) Er bis d ins Med u Kinder keilt o 3 m 385

keilė 9 3 m 385 By Zestralbi f d ges. Gynak u Geburtsh s d Grenzgeb

The author ducusses only the nature of menstrus toon at relation to general and organic diseases will be published later. His work is based on a critical study of the laterature of recent years and extensive years. Histochann and Adler's venes as to the regular changes in the uternar mucous membrane. In all cases there is a premenstrail distantion of the capillanes and vessels and almost always an ordemations saturation of its mucous membrane while the other changes, especially in the glands are not so uniform.

There is a detailed report of the histo logical findings in the rut of animals the analogy between it and human menstruation must be taken with a grain of salt. The question of the time relation between ovulation and menstruction is still unsettled. Certain changes described in the mucous membrane and corpus luteum vary within wide limits and there are numerous exceptions He discusses the different theories as to the lack of coagulability of menstrual blood. There is no change in the coagulation time of the blood in the body during menstruction and no uniform effect on the hamoglobin content and the number of erythrocytes There is frequently a slight increase in leucocytes and a slight lymphocytosis but this is not uniform He rejects Mary Jacobi s theory of a regular monthly wavelike movement of all the woman's life functions

A study of the statistical material and careful experiments of his own he e shown Schickele that there is no premenstrual rule or intermentitual fails in the pulse temperature blood pressure muscle strength and metabolism. He describes the experiments as to the effect of extracts and expressed j ices of oxary corpus luteum and uterus all of which have a marked wasodulator effect which is especially noticeable in hyperamus of the genituda. This is not specific however for it is produced though to a less degree by c tracts of other glands. After discussing the clinical course of mentionation and the dierent theories in regard to it the expresses has own it was a follows.

The value of rutting and mensitivat on less in the preparation of the nucrous membrane of the uteres for pregancy. Its appearance is dependent on the presence of the overant. The growing folls is secretes substances that by assomet resimulation and influence on the coargula bility of the blood circulating in the uter ne mucous membrane call forth changes in the uterus the different organs and the who is organism. As soon as a suffic in quantity of the produced to bring about the maximum of changes in the views in mentionation begins. Ret. 19.

Von Graff E : Treatment of Meno- and Metror von Grau E 1 Treatment of Meno- and Metror rhagia not Caused by the Cilimateric with Rontgen Rays (Die Behand ing der auchtlamac-temschen M no- und Metrorringen mit rinigenitahlen) 81 Metrophysis mit rinigenitahlen 1 Metro-By Zentralb I digas (Spaik, u. Gebutsh s. d. Greargeb,

This is a report of 36 completed cases of uterine hamorrhage not caused by the climacteric, in women from 12 years of age up There was recovery in 81 ner cent there being fewer recurrences after inten sive treatment than after small doses The author bel eves there need be no fear of the impregnation of injured ove and the development of malformed or inferior children because such a thing has never been known to occur in man All hemorrhages of ovarian origin furnish an indication for röntgen treatment

Guthrie J R. and Whitels W R : Simple Method f Fixing the Uterus in Procidentia and Prolapsus Iowa M J 014 XX 473

By Surg Gyace & Obst. The authors claim the following advantages for their method of operation in fixing the uterus in procedentia and prolanse

(1) Simplicity of technique (2) uniformly good results and (1) it is a bloodless operation

The disadvantage is that it is necessary to stenlize the patient before the menopause although the meastrual function need not be interfered with The

technique is as fallans A three of four inch incision is made in the median I ne or over the right rectus muscle down to the sym physis pubis. The incision is carried down and through the pentoneum. The uterus is grasped brought up into the wound and into anteflexion If the prinent is past the menopause and there is no disease of the adnexa th perstoneum is immediately closed beginning at the upper end. It is sewed to the posterior surface of the uterus where the lower end of the suture line join it. One or two stitches on either side unite the peritoneum and uterus, similar to the Arocher fixation. The round and broad ligaments and tubes are partly extraperatoneal but mostly intraperatoneal If the incision has been made in the median line the heaths of the recti muscles are opened and the muscles sutured together behind the uterus thus making a bed on which it rests While traction is made on the uterus to draw it up out of the pel is t is pressed back on the recti muscles and the anterior fascia closed. These sutures also enter the uterine substance. The skin is closed in the usual manner and what looked like a protuberance in the abdominal wall after suture

of the muscl s, complet ly disappears The ent e operatio rarely takes more than fifteen minutes It not only corrects prolapse of the uterus but in most cases cystocele and rectorele are cured as well A y degree of prolapsus may be treated in this manner I some cases only the fundus of the uterus can be transplanted wh l in complete prolansus almost the whole body may be brought out side of the rect muscles EDW ED L CORNELL

Nyulasy A. J. Looping the Cardinal Ligaments in Uterine Prolapse As S & Phila 29 4 hr By Surg Gynec, & Ohnt.

The author states. The multiplicity of operative procedures for prolapsus uterl indicates to some extent the uncertainty of opinion as to the essential cause of the condition " Some injury has taken place and the uterine supports injured hence renair ing of the miury and replacing of the uterus is ne-CESSARV

The uterine supports are (r) the pelvic diaphraem and (s) the ligaments He believes the cardinal ligaments, in the broad ligaments are the real sup-Dorts

The cardinal I gaments commonly arise by three more or less definite heads from each side of the uterus the middle head corresponding to the posi tion of the uterine artery the interior head being attached to the upper surface of the lateral varias forms and the superior head being attached a little above the median head. The three heads of the cardinal beaments unite together to form a band about half an inch or more in width which passes outward f r over an inch between lavers of the broad beament. The cardinal brament, which up to this is largely muscular now tends to change its character sen ling off fibrous bands, fanwise to the wall of the pelvis and other parts - some of these bands it is to be noted, being inverted into the posterolateral wall of the bladder and others pass og up over the macs. After locating the wreter the cardinal heament may be dissected from the posterior peritoneal layer of the broad brament and thus completely isolated Hooking the ligament up on the finger it is found to be elastic and of con siderable strength and obviously quite capable of adequately supporting the uterus in the pelvis "

The technique consists of suprap bic abdominal circliotomy. The bladder is freed from the uterus. the cardinal ligaments exposed and dissected off of the posterior layer of broad ligament and looped up on the anterior wall of the ut rus a d sutured with silk to the uterus A loop is made it each round ligament t correct retroversion and the wound in the perstoneum is closed by catgut utures

Five cases are reported - all successful In one the plastic w rk was done first in four the plastic work was do e two weeks later

The operat on should not be lightly undertaken Its stuking advant ges are

Pract cal absence of hamorrhage

Excellent immediate anatomical result and almost certain good permanent effect
3 C mpr ative absence of post-operative shock

Absence of raw surfaces C J STANK Crossen H S. Conservative Operative Treatment

of Long-Standing Inversion of th Uterus. J Am M Att 19 4 lx 10 By Surg Gynec, & Obst

The author opens the article by briefly uti ming the history of the operations recommended for inversion of the uterus. He reports a case occurring in a young women 23 years of age in whom the con dition had been present for nearly a year Spinells method was followed tube drainage being employed postenorly and rubber tissue anteriorly Following operation the patient had considerable fever which gradually subsided in the course of ten days There was no perstoneal involvement Men struction returned the second month after operation and has been regular since The patient's general health is good and a recent examination showed the uterus and other pelvic organs normal LINARD L. CORNELL

Van Teutem L. A: Treatment of Retroflexed Uterus (Behandlung de Retroflexio uteri) 'seleri

Tijd à terlesk en gwee 1014 n By Zentralbl. f. d. ges Gynák u Geburtsh a. d. Greszgeb. A report is given of 1364 patients treated at the

Leyden chane for retroflexion from July 1903 to July 1912 Of these 344 were operated on tuy 1912 Of these 344 were operated on 307 by the Alexander Adams operation 8 by the Doleris 14 by tentrofization 15 by laparotomy and in 13 total exturpation was performed on account of com plications Of the 1,020 not operated on 407 were treated orthopedically with pessaries in 27 the uterus was replaced 586 were not treated. The average time of the Alexander Adams opera

tion in 34 cases was 15 minutes. In 3 2 per cent of the cases 14 days after the operation the uterus was again retroflexed. Later objective examina tion was not made but subjectively 153 of the patients 70 per cent declared themselves cured, about 14 per cent not cured

Of 217 patients, 4 had acquired hernia 99 became pregnant after the operation 46 had so symptoms during pregnancy 3 only slight ones 59 were de-livered spontaneously and 24 aborted Of the cases in which the Doleris operation was

performed one was not cured one was improved a had recurrence and there was no report from the other 4 cases After ventrofixation only 20 per cent were cured

\an Teutem concludes that ventrofixation vaginal fixation and the Dolfris operation should be performed as seldom as possible and that the be t results are obtained by the Alexander Adams operation and pessary treatment. In married women the Uexander Adams operation is indicated if the pessary treatment is unsuccessful or if the patients themselves wish it There was no mortality after the Alexander Adams operations

Elbott II R A Case of Infantil Uterus and Append ges with Result of Treatment. J By Surg Gynec, & Obst.

Elhott reports a case of infantile uterus and appendages with irregular and scanty men trual flow treated by abdominal massage and the extract of luteum that became pregnant after seven months treatment Pregnancy proceeded in a perfectly

normal manner and the patient was delivered of a normal full term baby weighing 6 pounds and 2 nunces Both the mother and baby made an un eventful and perfect recovery

HARVEY B MATTHEWS

Braude I Perforation of the Uterus Tearing Off and I Performing the Userus realing Out of the Appendix and Multiple Performation of the Intestine Gured by Operation (Dierusperioration and Abrussen des W moltotatzes u d multiplem perfonsenden Darmverletungen Operative geheit). Zentr 18.1 Ggadt 1913 xxxvi 374 tur geheit). By Zentralbi, [d ges Gynik u Geburtsh s d. Grenzgeb.

Brande describes a case in which dressing forceps were used in delivering a miscarriage at four months and in which the uterus was perforated the appendix torn off three perforations made in the sleum and the left ovary crushed The patient recovered after suture of the intestine appendectomy extirpation of the uterus with drainage and removal of the left ovary Prognosis is much graver in perforations with dressing forceps than with the curette finger or other means because there is frequently loss of substance in the intestine followed by infection A large opening in the uterus especially if made with dressing forceps indicates immediate operation and in infected cases extirpation of the uterus by laparotomy with free drainage through the vagina.

Falk J I Innervation of the Uterus and Vagina (Enn Bentag zur Lehre übe d. In ervaton den Uterus und der Vagna) D stretate Moscow 1914, By Zentralbl. i d. ges. Gynik. u Geburtsh s. d. Grenzeb

The author's report is based on a series of experiments performed on rabbits and dors. The puerperal and gravid uterus reacted most strongly the virgin uterus least. Stimulation of the period eral end of the hypogastric, pelvic and internal spermatic caused contractions of the uterus and vagina. Stimulation of the vagus and phrenic also caused contraction which the author believes is due to the fact that these nerves carry sympathetic fibers The stimulation of the central end of the hypogastne, pelvic vagus and phrenic also causes contraction Probably the two first contain sensory fibers for the uterus and vagina No contractions are caused when the aorts or interior vens cava are ligated but there are contractions if the nerve net work of the zorta is mechanically stimulated. There is a contraction on severe loss of blood or cessation of respiration. As stimulation of any part of the cerebral cortex the pons cerebellum etc causes contractions and as stimulation of the lum bar cord does not cause any stronger contraction than any other part the author does not believe that there is a center in the lumbar cord for move me ts of the uterus but assumes that there are sev ral centers, probably one in the medulla as con tractions are caused by very slight stanulation of it The ut rus can also contract without any influence from the nervous system as was shown by experments after section of all its nerves. The suther believes the central nervous system has only a regulating effect. Pharmacological experiments showed that strychnine regions secaorum hydrastis canadensis adrenain and suprarena caus strong tetame contractions of the uterus and can therefore be used a hermostatus in spracology. Blammin pitulina and extract of ovary cause was supersonable of the same contraction of the same than the supersonable of the same than the sa

Heineberg A: Uterine Indoscopy an Aid to Precision in the Diagnosis of Intra Uterine Disease S vg Grace & Obst. 19 4 xvi 1 5 1 By Surg Grace & Obst.

As an a d toward greater precision in the diagnosis of intra uterine d wase especially the differential tion of extremona of the fu dus uter from non malignant conditions. Heineberg has devised an uteroscope by means of which a clear view of the entire uterine cavity may be obtained.

The instrument consists of two parts (i) A straight tube with an irreguling attachment and (i) an electric lighting attachment like the one used in Joung's urchinoscope by means of which light is projected through the tube to illuminate the uterine early. Pull d lytion of the cervical canal must be obtained before the uteroscope is

introduced

It has served to demonstrate the shaggy en lometrum in a case of polypoid endometrius a piece
of fortal envelope: a case of incomplete abortion
as well as minor changes in the e dometrum in

other cases I lis conclusions are as follows

1 There is a well recognized need for methods
of greater precision in the diagnosis of intra uterne
disease

2 Creater accuracy in the diag one will d min ish the resort to unnecessary and destructive operations

3 Uteroscopy affords information concern g changes in the endometrium in ties not obtainable by any other method of investigation

4 Licroscopy like other diagnostic procedures has its limitations and defin to contra indications. Its uses alould be restricted to those cases in which it can elicit liable information without enda ger ling the health or life of the patient.

Guggi berg II: 1 ffect of Internal Secretion on the Activity of the Userus (Uber du Wirkung der innere Schrite ut die Tsingkeit des Uterus) Ziels f Geb ni is Grass 0 3 lurs By Zentralb f d ges Oyals. u. Geberich a. d Greuzgeb

Heades the nervous part of the hypophysis other glands with atternal secretion ha e a stimulating effect on the motor function of the uterus e-pecally the thyroid and placenta. The author's experiments confirm the assumption that the placenta possesses

the function of internal accretion as well as having an effect on metabolism. The action of the copus luteum does not seem to be so uniform. Frequently it has an inhibitory effect. In other cases there was a slight stimulation of the interns. The author at present is unable to give an explanation of the lack of uniformity in the effect. Probably more circuisive research will explain it. In the serum before and during labor libere is no increase in the contrast of the contra

I öhnberg F: F peri nce with Vaginal Amputation of the Body of the Uteru (t. sere Irishr ngen mit der vagnatien is ripusamputation) F it Frigi. d. Gebon h is Cy dh. p 4, ys., 30

Free d Geburt k w Cy ok p 4, vs. 30 By Zentralbi f d ges Gyntk Geburtsh s d Grenzgeh Löhnberg performed vaginal amoutation of the body of the uterus on 54 cases up to January 1013 and was able to examine gr of them later Twenty five of them were operated on for hemorrhagic diseases of the uterus 8 for myom 6 for prolapse to for abortion and sterilization. I because of pr monary tuberculos s in the second to the fifth month with sacral anisthesia and I each for heart dusease and bilateral pyelonephritis The technique in use is described i detail Twice there were injuries of the bladder once exudate in Douglas pouch 4 times exudate from the stump twice thrombophlebitis of the lower extremity. There were no deaths and most of the patients were discharged on the twelfth day Vasomotor sympt ma of the menopause were observed in 20 per cent of the cases especially in the older women but they were milder in degree tha afte castration There were no psych c di tu bances and the find ngs on

gynecological examin too were very favorable.

Lomberg thinks the day ger of malagiant degreeath in of the tump is of great and described it gases. He believes with Reck and others that it above method: I be preferred to vaginal total estripation which freque tip produces deforming of the vagins the advantage re the horters if the operatio less loss of blood a d a more uninterrupted recovery. It is also to be preferred to runging treatment especially in chronic method, if it is necessary for the pat ent to res me work; a short time.

Sung, Fr Rieck a Vagiant impenation of the Body of th Uterus (Erfahrungen über die vagnale korpus mput t on nach Rieck) Gynte kelost

By 2 mu 495
By 2 mind 1 d ge Gynik a Ceburtal a Corespet
The author has amputation of the b metro- and memory methods of recent all properties and of the complete of the comp

losis The technique was that given in Kronig Doderlein's operative gynecology There was un eventful recovery in all cases

In the cases of prolapse he also performed extennation and post-core plants: operations and the anterior and post-core plants: operations and the stump. The segret of the patients were from 30 to 45 years they had had from 4 to 9 deliveres one being au part All the patients were very much satisfied with the results. Menstrustion stopped completely in some cases in others if was alght

The chef advantage of the procedure is that it is almost completely extraperioneal and therefore shock as worded. Though the results of routgetreatment are suitasterory in such cases the duration of the treatment is so great that operation often becomes necessary on economic grounds or even and the contract of the contract of the concept of the contract of the contract of the meson of the contract of the contract of the meson of the contract of the contract of the meson of the contract of the contract of the Monattee of the contract of the contract of the contract of the Monattee of the contract
Mayer A.: Dissection of the Ureter and Uterina Artery in the Radical Operation for Carcinoma of the Uterus (Uter de Prapanton von Ureter und Uterna bei der erreiteren Uteruszarennomoperation) Zirch f Geburth 5, 1942 op

In Freund Wertherm s operation the dissection of the ureter is often quite difficult if for instance

of the ureter is often quite difficult if for instance it is hard to separate the folds of the broad lagament because of scule atrophy of inflammatory tissue or if hemorrhage from numerous branches of the vems shut off the view of the field. A slight modification of the ordinary operation is recommended. The ureter is almost jalways visible at the unper-

part of the posterior wall of the pelvis and if after ligating the adnexa and the round ligament the uterus is drawn forward and toward the opposite side it becomes visible as far as its entrance into the parametr um If a long sht is then made over the point of its entrance into the parametrium it at once springs out and then after dissecting the bladder and separating the posterior fold of the heament to the anterior angle of the incision just made the uterine artery can very easily be isolated, or if this can ot be done Werthern recommends that the entire region of the uterine artery in front of the ureter be sessed a toto with an instrument or the fingers and cut off An ad antage of this method besides the case of orientation and avoidance of hæmorrhage is the fact that more of the tissue of the parametrium is removed than by any other method

Kelfer H Is There a Myometric Gland in the Human Uterus (Ex st t-l un gland myometric rule dans l terus h ma)? A et B ill Soc y d med et t d B nx 9 4 lkm, 6 By Journal de Chirusnie

In or Keifer discovered a myometric gland with internal secretion in the pregn at rabbit and since then has been looking for one in other female

manuals. He has found it in the cobrs and in the rat where at develops from the modde of pregnancy until just before partuntion. He has had difficully in getting suntable material for study in woman but in 1912 13 he had occasion to perform creasurean sections and in each case he enced a thin layer of uterine tissue along the incision. In the two premature cases it happened that the incision was at the attention of the proposed that the incision was at the attention of the proposed that the incision was at the attention of the proposed that the proposed proposed in the proposed that the proposed that the proposed is a description of the microscopic findings in the specimens removed at term at eagth months and at eight and one half months

In the wall of the uterus at the eighth month of pregnancy there was no transformation of the interfascicular connective tissue into epithelioid cells But the remarkable fact was the extreme hypertrophy followed by a process of cytolysis and Larvolvais in the muscle fibers of the walls of the arteries and important sinuses The de tails are similar to those observed in the cobra namely considerable hypertrophy of the cytoplasm and laryoplasm which had become very granular and more chromophiliac disappearance of the bodies of the cells and nodules by cedema and vac nonzation finally absorption of these elements when they were located in dense connective tissue or a discharge of the products of cytolysis into the lumen of the vessels of the lymphatic spaces or the neighboring vasa vasorum. Direct division of the nucles was sometimes observed as well as the forms tion of very fine grains of reddish brown pigment in the cytoplasm. The connective tissue at certain points of the arterial wall had proliferated abundant ly especially in the neighborhood of the muscular zones that were undergoing destruction. At these same points it was infiltrated with numerous lymphocytes The intervention of the connective tissue in the regeneration of muscle fibers is evident. also that of the lymphocytes in the mechan sm of elimination of the remains of the cells At eight and a half months the fragment of the uterus which the author examined showed clearly that the phenomena of hypertrophy and cytolysis were finished There were only rare vestiges of this destruction at the time, and they had disappeared completely at term as was found in all the specimens where the casarean section had been performed at term

a Independently of the phenomena just described in the blood vessels of the uterus there was a similar process of destruction in the muscle builded throughout the whole thickness of the uterus in the placent I zone principally along the users in the placent I zone principally along the users in the placent I zone principally along the users in the placent I zone principally along the users in the placent I zone principally along the users in the placent in the limited particular and the placent in the placent in the placent in the latter part of gestation particularly about the light month in the region near the placents. These changes in the human uterus end in a considerable estruction of smooth muscle pareachyms in the destruction of smooth muscle pareachyms in the



constituting only two or three per cent of the solid tumors of these organs, the latter comprising but a small percentage of ovarian tissue

Ovarian fibromata occur most often during men strual life they sarry in size from mere granules to huge tumors weighing as much as forty pounds and are the result of an hypertrophy of pre-ensiting ovarian strong. The increase in size is allow and usually symmetrical giving a smooth firm ovoid tumor though occasionally they may be nodular

They closely resemble uterms fibroids in the gross, and also on section being tough somewhat elastic milky white in color and presenting the whoil like texture of the former on section. They are subject to the same degenerations and transformations as

are the utenne fibroids

Encapsulation is almost invariably present and this is a very important sign in differentiating from sarromata with which they are most apt to be con fused. Here the age of onset and rapidity of growth are also important being earlier and more rapid with sarroma.

The case reported showed microscopically interlacing bundles of hypertrophied connective tissuefibers more or less compact the nucles of which were large rounded or oval, stained uniformly and evenly and showed no evidence of direct or induced division.

Michalowaki I O Study of Call Exnet a Boiles (Ein Bertra, r Lehre von de Call Ern chen Korpen) Dissortions Moscow o 4 By Zentralbi f d ges Gynak u Geburtah s d Grenzgeb

The author performed his experiments on rabbits In young rabbits no Call Exner bodies could be demonstrated They first appear in animals ri weeks old and reach their highest development at the period of sexual maturity The further development of the bodies was followed by removing an ovary and examining it microscopically and after the lapse of a certain time removing the other overy and examining it microscopically The E ner's bodies were found to show a cyclical development the maximum being attained at the time of men struation while the bodies disappeared entirely dur ing pregnancy The development of the bodies requires a month and a half i rabbits. He also found that they are more markedly developed dur ing the summer months than during the winter

As matted development of the bodies and by persums of the pelver organs were always ob a red in conjunction the author tred to produce strifficial hyperzenia. Owners of other rabb is were transplanted to the abdominal cavity and in further experiments extract of ovary njuected. Though the results were not absolutely uniform yet they showed that these manupolations prod ced an in crease in use and number of the Energ's bodies bodies produce a hornoos that cause hypersential of the pelvic organs and prepares the mucous men of the pelvic organs and prepares the mucous men bar a coll the uterus for the implantation of the pelvic organs and prepares the mucous men.

If impregnation takes place the embryo produces to such a size the cells of the corpora lutea in such a way that the hyperemia of the uterus is preserved. He proposes to give up the meaningless name. Exercs bodies and substitute that of

Exner's vesicular glands Vov Hoist

Palmer C D Prolapse of the Ovary Its Rational Management Am J H Sc 19 4 crivin 56: By Sung Gynec, & Obst In discussing prolapse of the ovary Palmer states

that a prolapse is a morbid entity only when alter ations in the position are persistent and unalterable by natural efforts and when they become the sources of pelvic discomfort and constitutional disturbance. He discusses the etiology and symptomatology and suggests the following treatment

(1) Obvate constitution by diet and larative waters (2) Readjust the clothing so that there is no compress on about the waist (3) Knee-chest post ion night and morning (4) Constitutional treatment such as tonics, etc. (3) Mechanical supports for the every as tampous (6) Surgical treatment when resorted to should always be by converse to the contract of the contrac

DUGENE CARY

Kriwsky L. Surgical Treatment of Inflamma tory D seases of the Adnera (Z. churuzuchen Beb udl. g der entzündlichen Adnerarkar k. g-n) V ach Gri., 94 v. 15 ByZentzibli d ges. Gynak u. Gebutteh s d. Grenzgeb.

In the gynecological section of the Municipal Hospital of St Petersburg from 1910 to 1913 inclu sive about 24 000 patients were treated among whom 3 683 or 15 2 per cent had inflammatory The greater part of these diseases of the adneta about 200 were treated by incision of the posterior formix or in some cases of the anterior formix Laparotomy was performed to t mes for the removal of purplent adnexa 17 times for acute diffuse pentonitis originating in a purulent inflammation of the adness Operation was performed 51 times for chronic inflammation of the adnexa 48 times by laparotomy and 3 times per vagins was laid on preserving the organs of the patient as far as possible the uterus was removed in only a few cases The prognosis in chronic non purulent cases was good. In the severest cases that is those with scute diffuse peritoritis the number of deaths was comparatively low-35 per cent A Wegin.

EXTERNAL GENITALIA

den, T. W. A Case of Superior Rectoraginal Fiatula, J Ohn & Gynec Br 1 Emp 19 4 MRV 175 By Surg. Gynec & Obst.

The author reports a case of high rectovaginal fistula that was operated upon by the abdominal

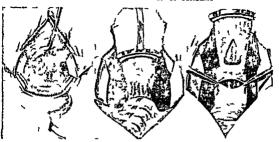


Fig 1 (Eden.) The fatula exposed per vaguana, show ing the rectal loog; at peaches; the peaches of the vagua has been complied in the floor of Dougha pouch has been complied in the floor of Dougha pouch has been complied in the floor of Dougha pouch has been complied in the floor of Dougha pouch has been complied in the floor of Dougha pouch has been opened up. The dhesons immediately to bee the

fistal have been exposed by pulling the terms upwards. The unterior pentioneal flap has been stitched to the skin concealing the bladder.

LE 2 (Calm.) The dissection has been carried farther.

concessing its likeder.

1st 3 (Edem.) The dissection has been carried further and the first is divided through its lower border and the rectum separated from the vagins f ran much further down.

The lateral margins of the rectal opening re-held by dissecting forcers.

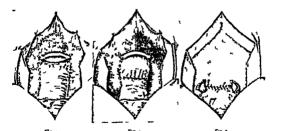


Fig 4 (Eden) The rectal opening has been losed by series of sutures set it right angles to the line of the gut The uterus has been superated and lightures have been placed it the sides of the wagns Fig 5 (Eden) A flap has been prepared from the posterior of the property of the posterior of th

rior usual wall and taked to the rect m so as to cover the site of the fistula. Ing 6 (Eden) Partonization of the pelvic floor has bee completed by sutching the anterior peritonial flap to the rectum. route after a preliminary colostomy Four weeks after the closure of the fistula the continuity of the pelvic colon was restored the patient making a satisfactory though not uneventful recovery

The author divides rectovaginal fistule into three roups according to their aituation (1) Rectovulval fistulæ (2) inferior rectovaginal fistulæ involving the lower half of the vagina (3) superior rectovaginal fistular involving the upper half of the vagina

With regard to causation it may be stated briefly that rectovaginal fistulæ may be due (1) to direct injury to the rectum during a vaginal operation and it appears that in vaginal collotomy for acute sup-purative conditio a the risk of injury to the rectum is most to be feared - at any rate most of the recorded post-operative cases have followed this procedure (2) to direct laceration of the rectovaginal septum in labor (3) to rupture of a pelvic abscess into both rectum and vaguna (4) to ulceration from syphilitic or tuberculous disease of the rectum or from a neglected pessary or other foreign body in the vagina

The advantages of the various routes for operation are discussed in detail with the following conclusions r For those belonging to the group of rectovulval fistule the method of direct suture is usually suffi

cient postenor colporthaphy may be done at the same time

2 For inferior rectovaginal fistules a perineal operation is the most useful and may be supple mented by complete or partial excision of the lower segment of the howel of necessary

3 For superior rectovagunal fistule the abdominal route is probably the easiest and the best and should prove not to be attended by disproportionate risks In difficult cases 1 e when the fistula is large and the parts are immobilized a preliminary colostomy should be performed CARRY CULE RISON

MISCELLANEOUS

Walker F E. The Induced Climacteric J.-Lancel By Surg Gynec & Obst

1014 EXXIX 8

During the past seven years a total of 106 operations were performed for the induction of artificial climacteric. Following a precise pre operati e and post operative investigation of these patients the author is convinced that a masculine type in any form does not develop from the removal of any of the female sexual organs nor does any abnormal co dition supervene other than would obtain in a

perfectly natural menopause

That a certain number of women so operated on will gain fiesh is true but the increased weight results from the removal of a diseased condition which prevented perfect nutrition. The operation simply restores the physiological equal brium in the same manner as the removal of a diseased appendix an enlarged and troublesome thyroid, o a dead kid Even where nutrition has not been interfered with by reason of disease in these organs, the tendency to an increased weight may be a family

characteristic or due to the age of the patient The author thinks that ablation of the ovaries tubes or uterus does not tend to obesity other than as a healthy or physiological result neither in his experience nor observation has it been noted There is nothing to indicate an inclination to de velop the masculine either in vocal changes gestures locomotion language sexuality or general appearance

That the removal of any or all of the sexually diseased organs was a factor in producing insanity was not evident Unfortunately hereditary in santy developed in a few cases reported in the literature but the operation upon and removal of a diseased organ was not and could not be responsible Any number of women with acquired insanity have been entirely restored to health. In his series one woman who had been insane for years and another insane for five years were completely restored to a normal mental condition.

Prolongation of climacteric symptoms following the surgical menopause was never observed but execerbation of such symptoms was quite evident in the majority of patients especially in the highly nervous type and those between the ages of to and 38 After entering the chimacteric age the operation may cause an apparent change to an apprecable extent. The exacerbation of symptoms was

most pronounced in those between 30 and 40 years of age but these symptoms ended quickly
It was questionable if there was any amelioration

of symptoms when a whole or part of an overy was left and the uterus removed. It softened the se venty but on the other hand no appreciable gain in the long run was noted. In those patients in whom a transplantation of ovarian tissue was made a recovery analogous to conservation of tissue in sits was noted. It was not encouraging to leave ovarian tissue where severe infection necessitated the removal of the uterus and one tube and ovary or the uterus alone Five per cent of the patients formerly operated on with the idea of leaving some of the tusue which looked healthy were reoperated on within a year During the past four years it has been the author's practice to t eat severe in fection in the most radical manner and the result has been gratifying in every instance

The autho has reached the following couclusions

after considers g 84 cases in which the pre-surgical

and post surgical history were secured Thurty five per cent gradually lost their sexual desire After operation sexual desire re-

turned in 34 per cent with improvement in all Twenty per cent were possessed of abnormal sexual desire and about 5 per cent of these were perverts some mild a few severe Operation re heved about one half but in three cases of severe perversion no improvement was noted.

3 In 55 per cent therefore there was a deviation from normal in the sexual appetite due entirely to diseased conditions and all were benefited in

this respect except the advanced perverts

4 The removal of the uterus, tubes and ownres increased the sexual appetite almost immediately but this gradually diminished year by year With the removal of the uterus only the appetite assumed a more normal and constant aspect while the removal of the ovaries seemed to lessen it during the first fen months followed by a gradual return to normal Depressing mental effects from ablation of the ovaries was much more noticeable than when the uterus alone was removed. When the uterus and ovaries were removed there was much less de pression than when the ovaries alone were taken The depression was accounted for as being due to the mental or physical impression upon the sensitive female organization as most women felt that they were sacrifcing the greatest blessing of wifehood and motherhood. It was noticeable in women who did not desire a family that complete and radical operation never depressed them that the intercurrent symptoms of induced menonquise were rather insignificant that a hopeful com-alescence ensued and that mental and physical vigor

LOWARD L. COR FIL. Von Graff E.; The Thyrold and the Genital

Organa (Schilddrise und Gemtale) Arch / Go dt 9 4 cu, 100 By Zentralbl f d ges. Gynäk u. Geburish, s d. Grenzgeb

was a constant and characteristic result.

Freund found coincidence of pregnancy and gotter in on ner cent of cases Von Craff examined oca women during the second half of pregnancy to test the frequency of this coincidence. He found it in 44 per cent of the cases among the women of 1 senns and in 40 per cent in other women In increase during pregnancy wa found in only 7 per cent. In comparison with 500 non pregnant women there was an increase of only o per cent in the positive cases in pregnancy 15 per cent in wom n of \ ienna. The regular increase in the size of the thyroid during labor that Freund found constantly Von Craff found in only 35 per cent of the cases The latter could not find an increase at the end of the first week in connection with factation rather the swell ing of the thy roid decreased continuou ly during the puerperium though sometimes incompletely so

that a permanent enlargement remained After a detailed discussion of some cases of preg nancy complicated by pathological gotters the author takes up the question f the effect of gotter on metabolism. Among 490 preg ant nomen he found spontaneous glycosuria in 138 per cent among the women with go ter in 158 per cent and those without gotter in only 11 2 per cent difference was more pronounced in alimentary glycosuria 58 per cent in pat ent with goit r 24 per cent in those w thout it Albuminums was somewhat more frequent in women without gotter 21 I per cent as compared with 16 6 per cent ing ovarian extract had no effect on the size of the gotter Freund's assertion that go ter frequently appeared during the climact ne was rejected as well as his claim that conter often coexists with m\ome_

Veit J: Lugenics and Gynecology (Eugenik und Gynkkologie) Deutsche med II chusche tora el

By Zentralbl. f d. ges Gynik u Geburtsh. s d. Grenzreb

l'est reports a casarean section in a 36-year-old thondrodystrophic dwarf with the delivery of a normal well formed child and on the same day the delivery of an anencephalus by a normal 14-3 cur-old girl On the basis of these cases he opposes the demand of Hirsch that the obstetrician should take eugenics into consideration more than has heretofore been done and that patients with heredi tary taint should be stenlisted. He then discusses the theoretical principles of eugeness in relation to psychosis epilepsy imbeculty chronic alcoholism infectious diseases especially tuberculosis and syph this marriage of relatives etc. and says that it is well known that injury to the descendants may occur from disease and inherited predisposition from the parents but that this does not necessarily occur He doubts whether it is justifiable to draw such practical conclusions from this teaching as for example the forbidding of marriage and thinks it would be better to inculcate engenic principles in the knowledge customs and moral conceptions of the people than to forbid marriage Sterilization and artificial abortion from eugenic indications, he believes are measures that at present cannot be shown to be necessary on scientific grounds So long as the study of bered ty has not shown when inherited taint mu t lead to miury of the descend ants he thinks no such serious measures should be taken

Schmitz, II Masel Y Raying in Gynecology Surg Gynes & Ob 1 By Surg Gynec. & Obst.

The author reviews the biological foundation of gynecological radiotherapy minutely describes th techn que and its results on the treatment cites the methods used by Albers Schönbe g Gauss and himself and finally dwells on the liferent gyacco-logical d's asca which may be subjected to raying and gives the indications for the treatment

His technique is as follows Focal distance 0-22 cm 3mm aluminum filter curre t of 4 to 5 ma water cooled tubes of o to 12 Wehnelt 6 t 12 fields each of 5 sq cm Each field is rayed twice during a series of six daily sitt gs and an ammount of 8 to 10 K is applied to each field. The total amount during one series is from 20 to 240X. An inter mission of three weeks is taken between series skin is compressed by tube and the ntestines are displaced by a slight elevat on of the pelvis

Metropath hemorrh gica chronic meintis myom uten pruntus vulvæ adnexal aflammatio at dysmenorrhora have been successfully treated Malignant disease of the pelvic organs was never

benefited by massive raying

Holder H : Irradiation in Gynecology (Uber Strahlenhehandlung in de Gynakologie) Med cor Bl d u ritemb aral Land ster 9 4 kxx 5
By Zentralbl f d ges Gynak u Geburtsh. d Grenzgeb

The Tubingen Gynecological Clinic in general follows Gauss technique but avoids the extra ordinarily high doses Submucous myomata, those with a fortid discharge or necrosis and those with symptoms of incarceration are excluded from treatment Among 53 cases of myoma and chmac teric hamorrhage the uterus had to be removed once because the hemorrhage did not stop operation a submucous necrotic myoma as large as a fist was found Good results were also obtained in some cases of genital tuberculosis With rontgen treatment alone unsatisfactory results were obtained in the 26 cases of cancer of the cervix which were almost all in an advanced stage. Nor were the results changed much when 22 mg of radium bro-COLDSCIUNT

Klein H V : Value of Hydrotherapy in Gynecol ogy (Die Bedeutung der Hydrotherapie für den Gynakologen) Zisch f phy ik l u di t i Therap 9 4 XVIII 57

mide were used

By Zentralbi f d ges Gynāk u Geburtsh s d Grenzgeb A summary is given of the results obtained in the hydrotherapeutic section of Wertheim's chinic since its establishment a year and a half ago Hydrotherapy is used as a prophylactic in healthy women as a treatment for sick ones and hygienically for pregnant and puerperal women. Hydrotherapeutic treatments which have been begun can be continued dun g menstruation without any danger During the first half of normal pregnancy klein recom mends tub baths three to four times a week for ten or fifteen m: utes at a temperature of 32 to 34 They can be continued duri g the second half but toward the end of pregnancy he prefers shower baths

Normally irrigation of the vagina is superfluous only if there is a yellow discharge from the vagina it must be disinfected with bichloride or lysol. He has had no experience with Zweifel a lactic acid irri gations which should not co tain 5 per cent but only o 3 per cent lactic acid Hydrotherapy should not be employed in eclampsis the results in permi cious vomiting were negative. In febrile diseases during the puerperium warm packs and cool baths are of value in reducing the h gh temperature. In parametritic exudates and chronic inflammator tumors of the adnexa mud baths are recommended in pruntus vulvæ and beginning krauros s warm douches of the pelvis and carbonic acid baths

Schneffer R The F equency Cau es, and T cat ment of Sterllity in Women (ther H ufglest, Uracken und B handlu g der Stenhitt der Frauen Em tattetischer Beitrag) Ziecht f Behämf d Ge sekleet kra kk 9 3 zv 39 By Zentralbl. i d. ges Gynāk Geburtak d. Grenzgeb Among 5 196 married women of the laboring class es in Berlin who visited the polichaic soo or a 6

per cent were primarily sterile while 505 or 11 5 per cent were childless The determination of the potency of the husbands of women with gyne cological diseases is difficult as many of the men

refuse the examination

Reports as to the frequency of gonorrhoea in sterile women vary widely Some authors demand demonstration of gonococci for diagnosis while others consider the climical diagnosis sufficient In many cases of chronic gonorrhosa the gonococci cannot be demonstrated and the presence of in flammatory diseases of the adnexa in sterile women may be regarded as practically a proof of gonorthera The pathological causes given as causes for sterility can generally be regarded only as probable causes or as factors that have been found by experience to render conception difficult

Among the 451 women in Schreffer's clinic with primary sterility 304 or 67 3 per cent suffered from gonorrhoes or from inflammatory diseases of the internal generative organs that were to be attributed almost exclusively to goporrhos Acquired causes of sterility are far in excess of congenital ones Among 378 cases of women secondarily sterile 271 or 71 per cent suffered from gonorrhosa or inflam

matory diseases of the genital organs

The best results were obtained from treatment in uncomplicated stenosis of the cervix endometritis dysmenorrhosa, and retroflexion but even in gonorrhoza, treatment if begun early and carned out carefully was successful in a part of the cases Therefore, early diagnosis of the cause of sterility is essential in order to begin treatment early

KORLER

Kakuschkin N M: Exploratory Puncture in Exudates and Different Collections of Fluid in the Peivis (Beobachtungen über die Probepunk tum bei Lasudaten und verschied ne Ansamm-lungen m Becken) Zis h f Geburish u Gynäk

9 3 xxviu, 1783 By Zentralbi f d ges Gynāk u Geburtsh s d Grenzgeb

The author has used exploratory puncture for diagnostic and therapeutic purposes in different in flammatory processes of the adnexa and pelvic cellular tissue except in violent acute cases such as retro uterine hamatocele and comes to the following con chasions (1) The puncture in many cases causes a fall in temperature and hastens the absorption of the products of inflammation (2) The action of the puncture in lowering temperature and hastening absorption is explained partly by changes in the circulation in the area of the puncture on account of the hyperæm a caused by the puncture and partly by the removal of some of the contents of the inflamed focus (3) He uses puncture systematical ly in the treatment of old pelvic exudates (4) In fresh cases with a highly virulent exudate the temperature may use after the puncture because the microbes from the focus of infection are trans mitted to the general circulation through the trauma caused by the puncture

Gerdes, J. U. A Case of External Female Pseudohermaphroditism (Lin Fall von Pseudohermphroditismu f min us ext m.) II ip Trd Kjobesh 0.3 vi 1901 By Ze trabb f d ges Cluf u l Grenzgeb.

1 43 year-old unmarried woman had nephrectomy performed for kidney tuberculosis on the right aide. She died the day after the operation of embolus of the pulmonary artery The post mortem showed the following conditions Thorax of masculine form mammary glands not developed pube hair of masculine type chitons 5 cm, long with a marked prepuce corons and retro glandular sulcus on the lower side of the chitors there was a furrow which continued into a canal into which both the vagina and the prostatic part of the urethra emptied the prostate was well developed the vagina broad and roomy and 6 cm long the uterus was also well developed 6 cm long with a smooth mucous mem brane and the ovaries were oval and of the normal size There were no corpora lutea no cysts, and no depressions showing ruptured follicles on the surface The adrenals were very large the right one being 8 cm broad 5 cm long and als cm thick Little was known of the mode of life and character of the patient, but as a child she had generally played with boys She took no interest in fem nine activities, and had never had an intimate relation with either a man or a woman. In the hospital where she was placed with other women patients she showed a great interest in them so that it

would seem that her feelings were homosexual

Jachontoff A.; Transverse Incision of the Abdominal Fascia in Gynecological Laparotomics (2ar Frage des Esoceanquenchn ties der Bauch wand ber gynakolomschen Laparotomics) Zu k Gebruik 6 ylk 1913 zww 1673 By Zentralbi f of ger Gynak u Geburiks a 6 Greengeb

The author reports side or necological operations with Pfannessettle stransverse mission of the fascia. The skin necision is arched and 9 cm tong. There is a transverse mission of the appearance and the upper edge is dissected with a binn't hasturement. At the line allow here the edges of the rect touch the aponeurous is dissected with a binn't have been edge of the necessary of the true processed cyrle by being pincitured. The lower edge of the would allow good view of the true policies which is gene ally necessary in spixelological operations. Hematom to are avoided by careful fighting. The chair of the true are the processed cyrle of the soul of testine are the particular of the processed of the processed cyrle of the proc

the cosmetic result is more satisfactory than in the longitudinal incision. The author believes in extending the indications for the transverse incision.

Georgia.

Kelly II A and Dumm W M: Urinary Incomtinence in W men without Manifest Injury to the Bladd : A Report of Cates. Sur Grace & Obst. 1914 vin. 444 Cynec & Obst. 1914 vin. 444 Swag Gyace. & Obst.

The authors report the results of a series of use cases of unany incontinence operated upon in the Gynecological Chuic of the Johns Hopking Houseld and Kelly's Sanasiraum. Various methods of treat ment for urinary incontinence both polisist earlier operative are revened. For thirteen years kelly has adopted an operative procedure which is as follows:

1 With a small Pexcer cutheter in the bladder as a guide a median meason about 3 5 or 3 cm long is made in the antenor vaginal wall the neck of the bladder falling at about the center of the meason

2 The bladder and urethra are detached from the vagina by blunt dissection so that the fager is able to grasp one-half or two thirds of the neck of the bladder includ on the configuous arethra.

3 The tissues at the encal neck are brought together by two or three transverse matters suture of an inem or sill. The mushroom exheter is the removed the head of the catheter escaping with a jump as it clears the reconstructed sphincter was 4. The redundant vaganal alls are resected so that the remaining tissues can be an gly approad mated from safe to a det thus a popering the vessal

area operated upon and a roding dead space Fowler a position is assumed immediately follow ing operation, but catheternation is not done unless imperait in The pattent is up on the fourth day providing it has not been necessary to combine some other proced re with the one described Eighty per cent of the cases oper ted upon proved success?

The following conclusi as are noted

I There is a type of urna y incontinence in women with no manifest injury to the bladder which is due to an impairment of function of the sphincier muscle at the internal if fee of the arethra. It is most common mong multipare in the fourth dreade

a The operation as performed by Kelly is the most satisf ctory thus far suggested for this type of incontinence. Entire control is gi en in a large percentage of cases by means of a mechanical recitation of the pluncter area t the vesical neck.

The operation in y be done under local or general snarsthess The post-operative treatment is simple

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

Eisenreich O: Biolog cal Study of Normal Pregnancy and Eclampsia with Special Con alderation of Anaphylaxis (Bolozsche Studien uber pormale Sch angerschaft und Lklampsie mit besonderer Berucksichtigung der Anaphylaxie) No 601 660

S mml hi Vortr 0 4 \0 604 660 By Zentralbl.f d ges. Gynak u Geburtsh s d. Grenzgeb The author tried experimentally to solve the

question of whether eclampsia is to be regarded as an anaphylactic phenomenon He sketches the historical development of the theory of eclampsia the last stage in which he conceives eclampsia to be due to anaphylactic shock discusses the principles of anaphylaxis and the theoretical possibility of the appearance of anaphylaxis in pregnancy that is an anaphylactic reaction of the maternal organism to

fortal albumen

The attempts to prove the anaphylactic nature of eclampsia by the methods heretofore in use have not given decisive results. The author therefore tried to decide the question by the passive transmis sion of hypersensitiveness. He sensitized guines pigs by the intraperatoneal injection of maternal serum after 24 to 36 hours he gave an intravenous re-injection with fortal serum. Of fifty gu nea Digs treated in this way with maternal and fortal serum 41 showed no symptoms 9 showed non-characteristic pseudoanaphylactic symptoms Sixteen guinea pigs that had been treated with the serum of eclamptic mothers and their children showed the same symptoms \ t a single animal died of shock These experiments show that eclamosia is not an anaphylactic phenomenon. Also experiments made by the author in regard to the condition of comple ments in normal and eclamotic pregnant women do not suppo t the ssumption that there are anaphy lactic relations between mother and child But the complement experiments show learly that in eclampt c patients biological processes are taking place the t seldom or never occur in the normal preg nant woman The complement content f the serum of a normal woman is practically constant whil that of th eclamptic noman shows great arrations wh h however reby no means unif rm Experiment with the complement fixation reaction showed the the re was no antibody reaction between the moth r and ch ld The details of th experi ments must be read n th one nal

Peters Duration of Pregnancy (Schw gerschaft ad ut.) Zou albi f G ak 9 4 vviii, 329 By Ze traible f d ges Gynak Geburtsh d. Grenageb

It is known now that o ulation generally takes place 18 to 19 day after the beginning of the la t

menstruction. We can therefore determine with greater certainty the beginning of pregnancy In cases where costus has taken place regularly rupture of the folicle and beginning of pregnancy are al most synchronous. The date of birth may be delayed 5 to 7 days by the possibility that the ovum may have been impregnated during its migration The cases where there has been only a single costus should be examined for this point. The duration of pregnancy should be reckoned from many thou sands of cases with normal mature feetuses and a definite knowledge of the date of beginning of the last menstrual period

Findley P: Ectopic Pregnancy Med Fo! thily By Surg Gynec & Obst 1914 xlv 15

Two phases of the subject of ectopic pregnancy are of special interest i e (r) diagnosis before rup ture of the gestation sac and (2) immediate versus deferred operation for intra-abdominal harmorrhage

Findley believes that early diagnosis is very sel dom positively made Ectopic pregnancy should always be considered in women of the child bearing age with pelvic disorders especially in those with a history of tubal infection some years back. Also in women whose periods are from four to twenty days overdue followed by a dark clotted flow the condition should be considered

The initial harmorrhage which follows rupture of the tube is not as a rule great but the attending shock may be profound. Every means should be used to restore this patient to a better condition but should secondary hamorrhage follow an oper ation should immediately be performed with all possible speed

Before rupture the only safe procedure is removal of the pregnant tube. Late after rupture only vaginal drainings s as a rule necessary

EUGENE CARY

Fries Unu ual Forms of Ectopic Pregnancy (Über seitener i men ktopsscher Schwangers haft)

D utsche med II h h o 1 zl 20

By Ze trafbl f d. ges Gynak Geb rish The author reports two cases of he own of ovarian nd pentoneal pregnancy In one case the left ovary transformed to a blood cyst lay in Douglas Villi could be demonstrated in t m croscopcally In the second case the ovum was located at

the seat of the appendix which had previously been removed it was a blood nodule as large as a walnut nd was covered in an apron like fashion by omen tum The cavity of the overn with the inbryo and vills could be demonstrated microscopically author regards both cases as genuine RUNCE.

Beckmann, W G: Two Cases of Extra Uterine Pregnancy Persisting after Rupture of the Pregnant Tube and the Frequent Uterus (Zwel Falle von progressierender Lat uterngravidatät nach Ruptur der schwangeren Tube nd des schwangeren Uterus) Zitch f Gebutuh

Gy dk 10 3 xxvm, 1850 By Zentralbl, f d. ges. Gynäk, u Geburtsh, s. d Grenzgeb,

The first case was a 35 year-old VI-para whose last delivery was 7 years previous For four months she had had increasing pain in the abdomen In the left lower quadrant was an irregular tumor. The uterus displaced to the right could not be pal pated No foetal movements or foetal heart sound could be discerned Laparotomy was performed and old blood found in the abdominal cavity The fretus was found in the left side of the abdomen with the membranes adherent to the intestine and omen tum The placenta was located on the sigmoid flexure and omentum. In loosening the placenta from the intestine the serous membrane was injured Death occurred on the fourth day from peritonitis. The foctus was 33 cm. long, the head flattened

there was torticollis and talipes calcaneovaleus The second case was a 36-year-old VI para whose last delivery was three years before The abdomen was the size of a full term pregnancy the uterus was enlarged and there were fortal movements and heart The clinical diagnosis was either intra uterine or extra-uterine pregnancy with adhesions to the fundus of the uterus Laparotomy was per formed and the omentum was found adherent to the abdominal wall Back of the omentum the living fortus was found in the left lumber region with the legs in the right hypogastrium. The placenta was very large situated on the fundus of the uterus and adherent to it were the omentum and the intestines. The membranes were open on the upper side the legs lay between the coils of intestine Because of the adhesions only a part of the placents could be resected the other part was sutured to the parietal peritoneum. The abdominal wound was drained

The child was 48 cm long and weighed 2 550 grams On the right upper arm there was a scar showing a healed fistula. There was contracture of both elbow joints The patient died on the sixteenth day of peritonitis There was a rupture 13 cm long in the left side of the uterns. The cavity of the uterus contained old blood. The opening indicated a rupture of the uterus in the early mo the of preg nancy The further development of the fortus took place in the abdominal cavity This case shows the danger of such persisting extra-uterine pregnancies the adhesions of the placenta to the intestine cause 1 jury of the latter and leaving the placenta often causes perstonitis and death. Gr\980RG

Graefe: Primary Pregnancy in the Omentum (Primare Netzschwangerschaft) Zentralbl f Gynak o 4 zavvu, 46 By Zentraibl. f d ges. Gynšk u. Geburtsh d. Grenzgeb

In the case reported the left tube was normal in the right there was a hæmatocele as large as a fist

The ovary and tube were removed and found marroscopically normal Microscopic examination of the tube showed none of the changes of pregnancy In the omentum which was otherwise normal, there was a blush nodule as large as a walnut containing blood clots and chorious wills The valls were close to the amentum but not connected with it by syncy tium or Langhans cells

Kerr J M M : Toxemias of Presnancy and Their Effects upon Material and Infantile Mertality with Suggestions at to How the Association and the Public Health Department Might Assist in Lessening the Death Rate from Compiles tions of Pregnancy and Parturition Pediatrics 10 4 XXVI. 170 By Surg Gynec & Obst

In a concise way the author attempts to show that reporting of pregnancy should be made com pulsory in order that the maternal and infantile death rate resulting from toxemias of pregnancy and other complications might be lowered. He states that in the Indoor Department of the Glascow Maternity Hospital during the years 1901 1910 inclusive there were 203 cases of eclampsia of these 88 mothers died a maternal death rate of 30 per cent As regards the children 208 were born dead or died, an infantile mortality of 70 per cent Several of the mothers developed chronic Bright a disease and among the children who hved, several died shortly after birth and many were premature poorly nourished and started life very much hands capped. As evidence he s ys the average weight of

the children was only five and three-quarters pounds In the same hospital during the same ten years, there were 121 cases of albuminums with a maternal mortality of 7 or 5 Spercent and an infantile mortality of 33 or 27 2 per cent The author states that the above statistics go to show that if pregnant women were treated while they had albuminums. and especially early a great number of materns and infantile lives would be saved. He is of the open on that the only solution of this problem is to have the public health department take charge of it and require reporting of pregnancy as they do with infectious cases this would assist the poorer class of people and better enable them to receive the proper kind of advice at the right time War D Purilies

Haughton S. The Prophylaxis and Treatment of Pre-Eclamptic Toxemia and Eclampsis.

of Pre-Ecuany Indian II Gas 9 4 xlix 37 By Surg Gynec & Obst.

As prevention is better than cure it follows that the importance of prophylactic treatment cannot be too urgently insisted upon As a means of accomplishing the above the author suggests that most caref I attention should be paid to the patient s general condition The f llowing symptom if complained of should be investigated at once (1) Headache () disturbances of vision, (3) nausea vom iting and const pation (great care be ng taken to in sure a daily evacuation of the bowels) (4) gastric paid

5) edema of the limbs He says that pre-eclampic toxerma usually appears in the second half of pregnancy and but rarely in its later months.

The treatment suggested for pre-eclamptic tox emia consists in putting the patient to bed, for the first 24 hours giving only water and a large lose of epsom salts should the patient's condition remain the same bleeding and hypodermoclysis of saline solution should be resorted to In spite of the above should the symptoms grow worse the author suggests emptying the uterus and the use of the following working rules (1) If the patient is in labor and the cervix nearly fully dilated the dilatation should be completed version done or forceps applied (2) If the patient is not in labor palliative treatment should be tried and if after two or three hours the progress of the disease is not arrested the uterus should be emptied by dilatation of the cervix after Harms's method or by either vaginal hysterotomy or carsarean section vaginal hysterotomy being the operation of choice during the early months of pregnancy Gastr c lavage bleeding injections of salt solutions etc should

be used to eliminate the poisons most careful at tention being paid to the diet. War D Partitive Aachiner B Retrograde Amnesia Following Ecismpsia (Über die post klamptische Amnesie) Zu kr f Gebert k is Gr kk g 3 kzev 436 By Zentralle I d ges Gynak u Gebuttah a d Grenageh.

NY Zentani I d. gat. Oyang is Geomes a Geomesca.

The suthor observed two cases of true retrograde amness following eclampus the loss of memory settending from several weeks to a year before the beginning of the attacks. The amnessa bore no relation to the number of the attacks. It was probably a deep-seated disturbance of the bonds of association of the second of

Danforth W G. Casarsan Section with Report of Fourteen Cases from the Seruce of Drs Parkes and Danforth Illus is II J 9 4 xs 2 3 By Surg Gynec & Obst

This article is a short review of the literature with a bilef report of 14 cesarean sections. They were performed for the following indications. Ovarian cyst placenta prævna 3 mgd cervix and deficient powers 1 aboutity to contracted pelvis 1 eclampias 5 slight pelvic contraction 2 uterfine inertia.

Barris J: The Treatment of Pregn ncy Complicated by Morbus Cordia, by Mean of Comercan Section under Spanal Amesthesia J Obst b-Gynce B ut Emp 9 4 xxv 86 By Surg Gynce. & Obst

Five cases of the above are reported one of the author's and four from the hterature. In the

author's case section was the operation of choice for the following reasons (i) To practice rapid delivery some form of anesthesia was necessary (a). A general amethetic was contain indicated owing not only to the valvular lesions, but to the condition of the cardiac music therefore some special method such as local or spinal anesthesia was indicated (i). Addominal cosserant section was preferred to vaginal on account of the size of the child, and also because by the abdominal route a portion of both tubes could be removed and the patient be protected by rendering her stenle.

Slovanne, o r gm with dextrose co g gm dissolved in r cen of sterilized water was injected between the third and fourth lumbar vertebre followed by a second dose in twenty muntes During the operation r care of puturary extract was injected and oxygen inhalation administered. The blood was uninterrupted. The author makes these points in resum?

r It must be admitted that some cases of cardiac disease pass through labor unexpectedly well apart

from this treatment

2 On the other hand the method has the ment
of great rapidity and of relieving the cardisc muscle
of strain during the first and second stages of labor,
thus duminishing the risk both of cardiac faulture and

of embolism
3 Sternization may be carried out at the same

time

4 There is no predisposition to uterine inertia
especially where pituitary extract is given immedi

ately before making the abdominal incision.

The child appears to run no risk from asphyxia

crying at once after extraction

6 No undue amount of shock was observed in

the cases recorded
7 The mental effect upon the patient is a possible drawback to the method This may be minimized by administering morphic or scopolamine before the operation and by occalinating the skin

prior to the injection of the spinal anesthetic
CARRY CULRENTSON

Spalding, A B: Some Principles Governing the Indications for Castarean Section Calif St J Med 9 4 zu 15 By Surg Gynec & Obst

The author reviews some of the factors governing the indications for cessarian section tabulates his results in a sense of § such operations and dacusses results in a sense of § such operations and dacusses of the sense of § operations and dacusses of the sense of § operations of the sense of § operations of the sense of § operations of the summer as the contraction defined in the sense of § operations of were done for moderate degrees of a sense of § operations operations of § operations

broken compensation one with marked ordems of the legs vulva and abdomen one for eclampsis and one for hyperemess gravidarum

C D Hotal e

Hofmann E.: Simultaneous Abortion and Tubal Sterilization (Zur einzeitige Abortes leitung und Tubersteril sation) Zt ch f Geb tak 1913 kr.v. 320 By Zentralbl f d ges Gyntk u Geburtsh s d. Grenzweb

The author recommends Guggisberg Bern's transperitoneal and minal method for the simultaneous induction of abortion and tubal ateritization. A median incision is made in the uterus so that the ovum can be removed with slight pressure cavity is curetted and the wound sutured with con tinuous catgut sutures The tube is tied off from its mesosalpinx and hgated I to 2 cm from the angle of the tube with silk and the stump is buried beneath the perstoneum with continuous silk sutures. The drainage through the cervix recommended by Sellheim is considered superfluous The results Were excellent in 20 cases SCHAPER.

Ebeler F Treatment of Abortion (Z r Aborthehandl ng) Ztick f Geb etsh G al 19 3 lxxv

By Zentralbl. f d. ges Gynäk u Geburish a d. Grenzgeb. Ebeler reports the results of the treatment of

abortion at the Cologne gynecological clinic for the past two years Of 641 cases 76 o were admitted in an afebrile condition 23 1 per cent febrile When abortion was imminent conservative treatment was employe I with very good results otherwise acti e treatment was used without regard to the bacteriological findings if the infection had not passed beyoud the uterus When possible curett ge with the finger was employed sometimes supplemented by a large curette D latation was accomplished with large curette laminaria or Hegar tents

Of the 403 afebrale cases 42 abortions were immi nent and proceeded without fever there were 7 artificial abortions afebrile 43 cases of endometritis after abortion fever o ly once for a short time after curettage 85 abortions in process with slight rises of temperature in two cases 316 incomplete abor tions 200 of them free from fever 26 with fever afterward tumors of the adnexa and parametritis There was n severe illness and no deaths.

Of the 148 f brile abortions the fe er quickly disappeared in a miniment abortions i case of arti ficial abortion died of tuberculosis 17 abortions in process recovered quickly from the fever ex ept one Of 123 incomplete abortions the fever promptly declined in o. in 20 the fever continued with complications in some cases 6 deaths 49 per cent Three of these w re admitted in a desperate condition ded of pent neal t berculosis, t of sepsis from criminal abortion only t case could have been unfa orably influenced by the cutettage. In concl. sion the autho recommends active treatment by digital curett ge without regard to the bactenologi cal findings.

Trangett M : Active and Conservati e Treatment Streptoccocus Abortion and Its Remits (Aktı e und konservative Behandlung des Strep-tokokkenaborts und ihre Resultate) Zink f

Geburish u Gyelle 19 3 lexv, 375 By Ze traibl f d. ges Gynal u Geburish a.d. Grenzgeb

Traugott firmly behaves in the conservative treat ment of streptococcus abortion. His statistics include all the cases from the Frankfurt gy necolog. cal clinic. Of 246 cases with obligate suprophytes, 195 were treated actively 51 conservatively Of 237 streptococcus abortions og were treated acti ely and 138 conservatively Of those actively treated the process remained confined to the uterus in 67? per cent of the conservatively treated in oil o per There were pertuterine diseases and metas tases in 14 I per cent of the actively treated cases and in 2 9 per cent of the conservatively treated ones In the former there was 18 1 per cent mortal ity in the latter 2 2 per cent. Deducting the crim inal cases from the conservatively treated streptococ cus abortions there remained a case of mild parametratis which recovered and 1 of purulent pentonitis that ded that is o 79 per cent mortshity

The active cases remained on an average 2s days in the hospital the conservati e ones 13.4 Of 76 cases of streptococcus abortion that were admitted free of fever 40 were treated actively and 36 con servatively Of those treated actively 47 5 per cent remained afebrile after treatment 32 5 per cent had fever 12 5 per cent had periuterine affections and metastases 7 5 per cent d'ed. Of those treated con servatively 80 6 per cent remained af brile 10 4 per cent had fever there were no perinterine diseases

and no deaths

The con lusions are Every case of abortion must be examined bacteriologically Saprophytic cases should be treated actively at nee but streptococcus abortions should be treated conservatively that is, with rest in bed ice a ordance of unnecessary exam natio s and manipulations and after spontaneous evacu tion of the uterus curett ge which is then without danger Dangerous hamorrhage may const tute an indication for emptying the uterus but it is rare The fact that there is no fever does not prove that no virulent germs are present aly bacteriological examinati n establishes the progno sus In streptococcus abortion e en when afebrile the prognosis is doubtful. The conservative treat ment is alle ys to be preferred to the active in strep-tococcus abortion and does not increase the durat on of the sickness on the co trary t requires great courage to proceed actively

Hofmann E.: Cong lability of th Blood and the Blood Co at in Normal Hyperthyroid and Hypothyroid Women d ring Pregnancy and th Poerperium (Zur Blutgernnung und um hjothyrotische Schw ngeren und Wochern mit) Zische f Geb rich Cy & 0,3 kmr of By Zentralb f et ges Gyalk a. Geburtis k. Genegeb In pregn t women with ormal thyroids the

congulation time of the blood somewhat horiened

In pregnant women with large vascular soft gosters there is no variation from the normal coagulation time. In pregnant women with hypothyroidsm the coagulation time seems to be somewhat shorter than in normal pregnant women but further research is necessary in order to determine this gostsuo definitely. In labor the coagulation time of the blood is reduced in about 50 per cent of the cases.

There is no difference between normal, hyperthyroid and hypothyrolid patients During the purporture the congulation time is gradually lengthered until it returns to normal. There is no difference in this particular in the three dissess of patients. The blood count of normal pregnat women shows a slight leucocytosis involving all the cell forms. In pregnant women with hyperthyroid in in about 40 per cent of the cases there is slight particularly and the pregnature of the particular the particular that the state of the cases there is a slight leucocytosis in the particular than the state of the pregnature of the particular than that of non pregnant ones. In hypothyroid is the pregnature of the particular than that of non pregnant ones. In hypothyroid is particularly districted in the properties of the pregnature of
Austin C. K. On the Isoserum Treatment of the Incorreible comitting of Pregnancy Hed Rec 9 4 lax 705 By S rg Gynec. & Ob t

Austin details the theory of Fieux of Bordeaux regarding hyperenessa grandrum which states that during the period in which the choronic villa flourish and up to the time when they all disappear except those which have given rise to the placenta the syncy tial cells our enging the utilis secrete a poisson which when taken up by the maternal circulation into cates the mother and produces the early vomiting of pregnancy. The presence of the town determines an authody reaction and on the more or levs prompt and effective response on the part of the control of

Isosetum therapy depends upon the intravenous inject on of blood from a non tone pregnant woman whose pregnancy is of about the same duration as

that of the pati nt

The only drawback to the method is the difficulty
of mixing certain that the blood of the donor is
nnocuous T this end the Wassermann and

tuberculi reactions should be studied

EDWARD SCHUMANY

Von Bardeleben H Principles of Treatment in Prefinancy Complicated by Pulmonary Tuber culous (is Principles des therapeutschen Einguffes bei L g i be kolose und Schw ger schaft) Med ki Ther p 10, 3 u, 44m
By Zenath I d ges Gyml, u Geburch u de Grenzele

Basic prin iples of treatment in pregnancy complic ted by pulmonary tuberculosis are (1) Old

healed non arche tubercular processes in the lungs do not furnish an inducation for abortion. The con dition should be carefully watched however for there is a possibility of restrictation (2) In pulmonary tuberculess that can be demonstrated clinically abortion should be performed. In movil-ment of the apices up until the fourth month simply empty ing the uterus is sufficient (3) In advanced active processes in the lungs and in spical affections after ceasary in order to remove the size of the placents. In all operations the general treatment must not be neglected. Grastica.

Ludwig F Heus in Pregnancy Labor and the Puerperium (Heus bet Schwangenchaft G burt und Wochenbett) Zizehr f Geburizh u G üh

1913 lery 324

By Zentralbl f d ges Gynak u. Geburtsh s d Grenzgeb

The author reports of cases of sleus The cause

was adhesive bands in 28 cases volvulus in 13 large or retroflexed uterus in 10 once kinking of the mesentery and attery tumor in 25 cases ob-structions in 7 invagination in 4 and hernia in 7 The small number of cases due to herms is noteworthy It may be said that pregnancy offers a certain protection against incarceration of hernia Except in the cases of tubal pregnancy the comication appeared when the uterus began to emerge from the true pelvis. The number of cases in creases toward the end of pregnancy and a considerable number were observed during the nuer sucreture number were energied to prepare uterus is rarrly a direct cause of the sleus Diagnosis is very difficult and a careful history is important. The prognosis is very unfavorable. The mortabity of the mothers was 55 per cent In only a few cases has pregnancy continued to term and a living child born Treatment is operative. In the early months of pregnancy an attempt should be made to preserve it at the end of it immed ate delivery should be performed.

Tylecot F E Jaundice of Pregnancy Associ ted with Jaund ce in the Off pring. Med Ch cle 9 4 l m 465 By Surg Gynec & Obst

The author reports a case of recurrent jaundice in eight successive pregnances — eventually per astent with multions and jaundice in all but the first of the eight children fatal in as of the seven first of the eight children fatal in as of the seven control of the control of the seven control of the cont

six dying with convulsions due to it. The fifth child was the only one which recovered from the jain dice and it was noted that it was the only one that was breast fed.

Why D PRILIPS.

Vogt E: Significance of Kyphoscoliosis in Preg nancy Labor and the Puerperlum (Über die Bedeutung der Kyphosk lose f

dr Schwangerschaft, Geburt und Wochenbett) Arch f Gynd, 1014 611.

By Zentralbi f d. ges Gynāk u Geburtsh a. d Grenzgeb.

In cases of severe rachitic kyphoscolosis of the spinal column the first menstruation generally appears late Many primipane have passed the thirtieth year Spontaneous abortion and pre-mature delivery is frequently observed Symptoms of heart insufficiency frequently appear during the second half of pregnancy or even during labor that had not been observed in the non pregnant state. In rare cases death occurred from heart failure dur ing labor or a few hours afterward most of the women did not de however during or soon after labor from heart disease but during the puerperium from complicated lung diseases If there is marked failure of compensation during pregnancy which does not yield readily to medical treatment im mediate artificial abortion is indicated preferably vaginal or abdominal casarean section Operative delivery must not be delayed too long The out look for the children is not bad The loss of blood in the third stage is gene ally increased Ru ca.

Goullioud: Pregnancy after Myomectomy (Grossesse après myomect m.)

Lyon méd., 9, 4, 576.

By Journal d. Chruspe.

Gonlined at a firm believer in myomectomy has cases of throad number 64 and 18 min. The common of th

patients were not seen again. There was no trouble in the development of the pregnancy of there were not in re than 30 per cent of miscaringes. There was nothing abnormal during delivery. In about the results of myumetony are in general satis of cory recurrences are rare and tho gb preps noy is not frequent it is possible and is worth the risk! I as econd operation ten years

In a recent thesis Benoit Gossin, a pupil of Goul houd a has collected go cases of pregnancy after myomectomy and besides the cases given above cites unpublished cases of Pollosson a d 4 f Témoun Bondi J and Bondi S: Experimental Study of Kidney Changes in Pregnancy (Expendente U tersuchung über h ercaverinderungen in der Schwa gerschaft) Arch (5) 41 9 4 0 89 By Ze traibi f d. ges. Gynki u Geburtsh k.d Greugeb.

From their experiments on pregnant and papregnant animals the authors have come to the conclusion that the kidneys of pregnant animals are more sensitive to tomas. The functionting parts of the kidney are not equally affected. They found that there were marked differences in the reaction of different parts to uranium and chronium while the contract of the contraction of the contraction.

The epithel um of the unasy tubules are serve essipsepecially the convoluct tubules seems very essipaffected in preganacy. If coocleuons can be
drawn from anun'd experiments it is it is so
surveress of the epithelium that cause abbumman
is o many preganaces. More pronunced diturbances may cause severe nephritis. Different
causes may produce the injuries to the epithelium
As the citology of parenchymtous nephritis is
generally bactural infection frequently organizes
generally bactural infection frequently organizes
point should be considered. In some cases exministion showed a preceding argins. The sever
cedema that frequently opean early was regarded
as the result of retention of chlorides. Berrin

Kaltenschneer Function of th Ureter in Fregnancy (Ureterfunktion in de Schwangerschaft) Zinks f Gr ak Urel 9 3, 1 186 By Zentralbl. I d ges Gyalk u Geburtsh s d. Grensgeb

Kaltenschaee performed chromocysto-copy or 50 pregnant women who had no abnormal symptoms and from the difference at une not be performed the first blue color and the difference is the extensive to the first blue color and the difference is the extensive to the color and the difference is the extensive color and the difference is the extensive colors to the conclusion that there is a certain degree of physiological stasss of the unne in pregnancy shorts as due to changes as the nation cal relation of the urriers to the a rounding parts Under some conditions that may give rase to color

and pyelits
In only 15 per cent of the cases was there normal function with relation to the two points mentioned above. In 4, per cent the right unrefer exercited later than the left in 14 per cent the left later than typeli, in three cases the right unrefer was very left, in three cases the right unrefer was very left, in three cases the right unrefer was very left, in these cases the right unrefer was very left, in the sale of the right later than the left of the later than the left of the later than the late

the right side. The cause of the stass is the (1 ton of th ureter to the wall of the pelvas about so to can above the opening into the bladder By destroposat on of th uterns the 1 terureteral legament is wated so that the trigone sands open toward the left by this torsion the first right used is in it in them the left Faves.

Müller B : The Relation of the Thyroid Gland to Pregnancy Labor and the Puerperium in the regnancy Lagor and the Pherperium in the Endemic Golter Region of the Canton of Bern (Das Verhalten der Glandula thyreoidea im en Gemschen Kropfgebiet des Kantons Bern zu Schwa gerschaft Geburt und Wochenbett) Zirckr

Geburisk # Gynak 1913 lxxv 264 By Zentralbl f d ges Gynsk u Geburtsh d Grenzgeb

The female sex shows a special predisposition to diseases of the thyroid which is probably caused by influences proceeding from the female genitalia.

The preponderance of thyroid disease dates from the age of puberty almost 7 per cent of the women of the endemic goiter region of Bern trace their goiter to puberty Nineteen per cent of the women have a swelling of the neck at this period and in some cases this swelling leads to a permanent goiter

The chief cause of the preponderance of thyroid disease in women however is pregnancy and labor It is unusual to find a normal thyroid in a pregnant woman in a goiter region Primiparæ generally show a slight swelling of the thyroid multipara show parenchymatous nodular and vascular gosters The more pregnancies a woman has had the more tendency she shows to thyroid disease especially to nodular and cystic degeneration. In 57 per cent of the cases the swelling disappears again during the puerperium. The decrease in size is the greatest in vascular goiters. In 7 per cent of the cases the swelling progresses delivery may be the starting point of a permanent goiter

Functional disturbances of the heart are unusual in pregnancy A healthy heart is not especially affected by thyroid disease even in pregnancy Endemic goster in Bern is the chief etiological factor n contracted pelvis which is so general. Among the diseases of the thyroid aplasia and hypoplasia or cretimism cause the extraordinary frequency of

this form of pelvis

Kuschtaloff N J : Spontaneous Recovery in Com plete Rupture of the Pregnant Uterus (Über die Selbstheilung der vollstandigen Risse des schwanger-en Uterus) Zitchr f Geburish z Gy ab 19 3

zrviu, 743 By Zentraibl. d ges Gynāk u Geburtsh d Grenzgeb

A 37 year-old VIII para, two weeks before de-I very was expected fell from a wagon on her back Fortal movements stopped soon after the accident The next day harmorrhage commenced and lasted four days After 4 weeks the patient was able to work again and the menses recommenced Seven months later the patient came with the request that the focus be removed as it interfered with her work. On laparotomy the foctus was found free in the abdominal cavity adherent t the pentoneum omen tum nd intestine In the anterior wall of the uterus there was a tear 3 cm long. The foctus was freed from adhesions and removed a d the rupture in the uterus sut red Reco ery was uneventful The membranes were adherent to the foctus Micro scopically there were great changes in the mem branes skin muscle tissue and blood vessels

From his own and similar cases the author comes to the conclusion (1) In spite of recovery the capacity for work of women who have feetuses in the abdomen is decreased (2) Such fortuses are al ways a menace for the rupture in the uterus leaves an opening through which bacteria of patrefaction may reach it (2) The kind of microscopical changes na the organs of the encapsulated fœtus depend on the presence of bacteria of putrefaction (4) Spon taneous recovery does not take place in complete rapture of the uterus

Schauta, F Rachitic Pelvis Simulating Osteoma Schaute, F. Rechtie Feives Statuting Control and Freginary (Feudo-osteomalicasches [rachtisches] Becken und G vidit t) Wen med Webniche out hav 27
By Zentralbi i d ges Gynak v. G burtsh s d Grenzgeb

In the pelvis of osteomalacia the pubis is very narrow in the rachitic pelvis it is very wide this being the distinguishing feature between the two The pelvis of pseudo-osteomalacia is very similar to that of osteomalacia but is caused by rickets the acetabula are pushed forward and the public bone is parrow This form is very unusual in adults and 15 only found when the rickets has been of extreme degree In the author s case there was a two months pregnancy The history showed that the patient had not walked until her fourth year her lungs had been affected since early life and later she was treated for cophoritis at that time she was told that normal delivery would be impossible for her She was 132 cm in height the diagonal conjugate 8 7 the true conjugate 5 7 to 6 7. She had a short plump thigh with the tibue very much bowed Because of the narrow pelvis and the lung disease abortion was in dicated Sterilization should also be considered

LABOR AND ITS COMPLICATIONS

Stempel A Extraction with Kustner's Breech Forceps (Z : Extrakton nut Kust er' Steeshaken) Zisch f G b risk s Gynth 93 ixuu, 487 By Zentralbi f d gus Gynak u Geburtsh s d Grenzgeb

The author has used Kustner s breech forceps in three cases with good results. The forceps should be applied only to the posterior hip the anterior hip serving as a fulcrum. The technique varies with the case If applied only to the postenor hip and the right technique be used this method is a useful and harmless one for both mother and child in cases where the anterior foot cannot be brought down and a purely manual extraction is not possible It seems destined to reduce the mortality of the infants in breech cases SCHIFFMARY

Phil ps, T B Deli ery of Two Children f om a
Doubl Uterus (Doppelte Geb t bei Uterus duplex) Vederl T jd chr v Genecik Amst 9 4 plex) 1 By Zentralbi (d ges Gynak. u. Geburtsb d Grenzgeb.

The case is that of a 33 year-old prim para whose phys cian at the beginning of pregnancy had made a six dying with convulsions due to it. The fifth child was the only one which recovered from the jain dice and it was noted that it was the only one that was breast fed.

We D. Partiers

Vogt E.: Significance of Kyphoscollosis in Pregnancy Labor and the Puerperlum (Über die Bedeutung der Kyphoskoluse für Schwangenshaft, Geburt und Wochenbett) Arch f Gyndh gig cu

By Zentralbl. f d. ges Gynšk u Geburtsh s d. Grenzgeb

In cases of severe rachitic hyphoscolosis of the spinal column the first menstruation generally appears late. Many primipare have passed the thirtieth year Spontaneous abortion and premature delivery is frequently observed Symptoms of heart insufficiency frequently appear during the second half of pregnancy or even during labor that had not been observed in the non pregnant state. In rare cases death occurred from heart failure dur ing labor or a few hours afterward most of the women did not die however during or soon after labor from heart disease but during the puerperium from complicated lung diseases If there is marked failure of compensation during pregnancy which does not vield readily to medical treatment im mediate artificial abortion is indicated preferably vaginal or abdominal casarean section. Operative delivery must not be delayed too long look for the children is not bad The loss of blood in the third stage is gene ally increased RUAGE.

Goullioud Pregnancy after Myomectomy (Grossesse près myomectome) Lyo said, 914 576
By J urnal de Chararge

Goulhoud as a firm believer in myomectomy. In cases of Bhonds number 6,8 in 74 of which myo mectomy was performed and abdominal hyster ectomy in 75,4 which gives 11 per cent of snyomectomies. After these 7,4 myomectomies there were five cause of pregnancy that out of the 74, 34 were five cause of pregnancy or 12 per cent and among these 14 were past 4.0 years of age so that pregnancy would have been rare without myomectomy. This leaves 6 married women under 40 years of age 5 of whom became pregnant or 20 per cent age 5 of whom became pregnant or 20 per cent and proposed on the 10 per cent and pregnant of 20 per cent and proposed the 10 per cent and 20 per cent a

There was no trouble in the development of the pr gnancy of there were not more than zo per cent of miscurrages. There was nothing abnormal during delivery. In short the results of momentomy are in general satisfactory recurrences are rare and though pregnancy as in frequent it is possible and is worth the risk of a second ope atton ten years later.

In a recent thesis Benoit Gossin, a pupil of Goul isoud a has collected op cases of pregnancy after myometromy a d besides the cases given ab vecites 2 u published cases of Pollosson and 4 of Témoin.

Bondi J and Bondi S.: Experimental Study of Kidney Changes in Pregnancy (Experimental U teruchung übe Nieruwezhoderungen i de Schwangerschaft) Arch Gyall 19 4 cs. 89 By Zentzabl. I d ges Gyalk. u Geburth 2 d. Genago

From their experiments on pregnant and mopregnant animals the authors have come to the conclusion that the kidneys of pregnant animals are more sensative to tozams. The functionating paris of the kidney are not equally affected. They found that there were marked differences in the reaction that there were marked differences in the reaction that the experiment of the continuation of the there were only alight differences with a resence and cambination.

The eputhelium of the utnary tobules are especially the convoluted tubules seems very easily affected in pregnancy II conclusions can be drawn from autinal experiments it in this sea attiveness of the epithelium that causes album aums in so many pregnucles. More pronounced daturbances may cause severe neghotts. Different causes may preduce the inquiries to the epithelium As the etiology of parenchymatous nephritis signerally bacterial infection, frequently organizing in the totalls, in the nephritis of pregnancy this point should be considered in some cases examination above an procedura was regarded as the rapid of treation of chlorides. Services as the rapid of treation of chlorides.

Kaltenachnee: Function of the Ureter in Pregnancy (Ureterimization in der Schwangerschaft) Zinde f Gyndk U of 913 v 186 By Zentralib f d ges Gyndk u Geburtsh d. Geensgeb

Kattenschner performed chromocystotopy on gopenant women who had no shoomal symptoms and from the difference in time in the symptoms and from the difference in time in the spearance of the first thue color and the difference in the intervals between contract as on the right sad left self-comes to the conclusion that there is a certain degree of physiological staus of the strategies of the surrounding partituder some conditions this may give rue to color and pyelitis

In only 18 per cent of the cases was there normal fu ction with relation to the two points mentioned above In 44 per cent the right useter excreted later than the left in 14 per cent the left later than the right in three cases the right ureter was empty The difference in time between the two was 14 to 15 minutes the first blue color normally appears in about 44 m nutes The int rval between contrat tions which is normally about 30 seconds was unequ i in 9 cases being delayed about 17 seconds on the right side The cause of the stass is the fixation of the uret to the wall of the pelvis about 10 to 12 cm byte the pen g to the bladder. By dextroposition of the uterus the interurcteral Leament is twisted so th t the trigone sta de open toward the left by this torsio the first right ureter a kinked and the the left

Muller B The Relation of the Thyroid Gland to Pregnancy Labor and the Puerperlum in the Endemic Goiter Region of the Canton of Bern (Das Verhalten der Glanduls thyreosdes im en demische Kropfgehiet des Kantons Bern u Schwangerschaft, Geburt und Wochenbett) Zischv

f Geburt h u Gynak 19 3 kszv 64 By Zentralhl f d ges Gynak u Geburtsh s d. Grenzgeb.

The female sex shows a special predisposition to diseases of the thyroid which is probably caused by influences proceeding from the female genitalia The preponderance of thyroid disease dates from the age of puberty almost 7 per cent of the women of the endemic gotter region of Bern trace their gotter to puberty Nineteen per cent of the women have a swelling of the neck at this period and in some cases this swelling leads to a permanent goster

The chief cause of the preponderance of thyroid disease in women, however is pregnancy and labor It is unusual to find a normal thyroid in a pregnant woman in a goiter region Primiparse generally show a slight swelling of the thyroid multipara show parenchymatous nodular and vascular gotters The more pregnancies a woman has had the more tendency she shows to thyroid disease especially to nodular and cystic degeneration. In 57 per cent to hoduse and cystic degenerative an 37 per of the cases the swelling disappears again during the purpernum. The decrease in size is the greatest in vascular goiters. In 7 per cent of the cases the swelling progresses delivery may be the starting point of a permanent goiter

Functional disturbances of the heart are unusual in pregnancy A healthy heart is not especially affected by thyroid disease even in pregnancy Endemic goster in Bern is the chief etiological factor in contracted pelvis which is so general Among the diseases of the thyroid aplasia and hypoplasia o cretinism cause the extraordinary frequency of

this form of pelvis

Kuschtaioff N J: Spontaneous Recovery in Com-plete Rupture of the Frequent Uterus (Uber di Selbstheiung der vollständigen Risse des schwanger Uterus) Zit kr f Geb right u Gy gk 9 3

zxvm, 743 By Zentralhi i d. ges Gynak u Geburtah d. Grenzgeb

A 37 year-old VIII para two weeks before de-I very was expected fell from a wagon, on her back Fortal movements stopped soon after the accident The next day hamorrhage commenced and lasted four days. After 4 weeks the patient was able to work again and the meases recommenced Seven months later the patient came with the request that the foctus be removed as it interfered with her work. On laparotomy the foctus was found free n the abdominal cavity adherent to the pentoneum omentum and intestine. In the interior wall f the uterus there was a tear 3 cm long The foetus was freed from adhesions and removed and the rupture in the uterus sutured Recovery was uneventful. The membra es were adherent to the fectus M cro scopically there were great hanges in the membranes skin muscle tissue and blood essels.

From his own and similar cases the author comes to the conclusion (i) In spite of recovery the capacity for work of women who have feetuses in the abdomen is decreased (2) Such foctuses are al ways a menace for the rupture in the uterus leaves an opening through which bacteria of putrefaction may reach it. (2) The kind of microscopical changes in the organs of the encapsulated foctus depend on the presence of bacteria of putrefaction (4) Spon taneous recovery does not take place in complete rupture of the uterus

Schauta P Rachitic Pelvis Simulating Osteoma lacia and Pregnancy (Ps udo-osteomalacisches [rachstisches] Becken und Graviditat)

med Wehnschr 1914 inv 27 By Zentralbl. f d ges Gynak u Geburtah. s d Grenzgeb

In the pelvis of osteomalacia the pubis is very narrow in the rachitic pelvis it is very wide this being the distinguishing feature between the two The pelvis of pseudo-osteomalacia is very similar to that of osteomalacia but is caused by rickets the acetabula are pushed forward and the pubic bone is narrow This form is very unusual in adults and is only found when the rickets has been of extreme degree In the author's case there was a two months pregnancy The history showed that the patient had not walked until her fourth year her lungs had been affected since early life and later she was treated for cophoritis at that time she was told that normal delivery would be impossible for her She was 132 cut in height the diagonal conjugate 87 the true conjugate 5 7 to 6 7 She had a short plump thigh with the tibue very much bowed Because of the parrow pelvis and the lung disease abortion was in dicated Sterilization should also be considered

HETWAY

LABOR AND ITS COMPLICATIONS

Stempel A Extraction with Kustner a Breech Forceps (Zur Extraktion mit K stnet' Steinshaken) Lister f Geburth & Gyndt 9 3 Itxiii 487 By Zentralbi f d ges Gynak u Geburtsh & d Grenzgeb

The author has used Ku tner's breech forceps in three cases with good results. The forceps should be applied only to the posterior h p the anterior hip serving as a fulcrum. The technique varies with the case If applied only to the posterior him and the right technique be used this method is a useful and harmless one for both mother and child in cases where the anterior foot cannot be brought down and a purely manual extraction is not possible. It seems destined to reduce the mortality of the snfants in breech cases SCHUPPLANT

Philips, T B Del ery of Two Children from a Double Uteru (Doppelte Geburt bet Uterus du plen) Moderl Tyduckr Geneenk Amst 914 By Zentralbi i d ges Gynak u Geburtah d Grenzgeb

The case is the t of a 33 year-old primipara whose physician at the beginning of p egnancy had made a diagnosis of double uterus A septum could be felt in the vagina and the fundus showed a deep depression in the middle On the 26th of August there was spontaneous rupture of the membranes with an opening of 3 cm There was breech presentation pains in both horns of the uterus often unequal in degree On the 27th of August at noon dilatation was complete and a living child 50 cm long weighing 2120 gm was extracted. The placenta remained and the left uterus became smaller On the morn ing of the 28th on account of hamorrhage the left placents was expressed by Crede a method and the membranes on the nght ruptured. On the morning of the 20th there was a slight rise in tem. perature 38 5 A living girl was extracted weigh ing 2260 gm and 46 cm in length Three hours later the right placenta was removed manually the left uterus was found to be well contracted and the os closed The puerpenum was normal The first child had taken the breast before the second was born On the 18th of November the nationt was examined again the sentum was still present in the vagua Both children were nursing and each STRATT weighed 3700 gm

Zalewski E. Duplication of the Fernale Genitalia and Its Consequences in Dell ery (Dopoleusbidungen der weblichen Genitalsphare und ihre Folgen fü die Geburt) Arch f Gyath 914 cu

80 By Zeniralbi f d ges Gynäk Geburtah d. Greszgeb

This paper constitutes a report of 14 deliveries in cases of duplication of the uterus of varying degrees with and without involvement of the vaging Complications during delivery were frequent There was a tendency to abortion and spontaneous premature delivery abnormal presentations inter-ference with delivery by the vaginal septum pri mary and secondary mertia retention of placenta and hamorrhage which may be caused by the placenta being situated on the septum of the uterus and hamorrhage from rupture of the septum in the uterus. An especially interesting case is one of twin pregnancy a fortus being contained in each half of the uterus and the b rth of the second child being very m ch delayed In another case pre mature delivery was induced on account of con-tracted pelvis and the bag inserted for this purpose entered the empty half of the uterus, a mulating rupture of the uterus, but no senous complications HERROG took place

PUERPERIUM AND ITS COMPLICATIONS

Donaldson, A A Case of Puerperal Fever Associted with th Enterocuccus. J P that & Baterial 9 4 zvn, 450 By Surg Gyne & Obst

Donaldson reports a case of puerperal fever associated with the enterococcut in a mollipsia. On the eighth day aft parturnto the patient complained of pain at the base of the right 1 mg and her temperature rose to o.4 F In spite of treatment the temperature remained with a slight morning remission. Ten days later a cuthetic specimen of time was found to contain purpuiseds and hactern which were found and of chains composed of a somewhat clongated give capsule around them. Many were present simply as isolated diplococci. A pure growth was easily obtained on again and in broth in twenty four bours. The same organism was solated from the uterns It was not found in the blood. A vaccine was made and administered

Following the second dose of vaccine the temperature fall below anormal for the first time in tweether fall below anormal for the first time in tweether days. It rose again but after the fount, in cacine and the administration of a servity absidy a day of the mained subnormal. During the race the pattern developed pain and tenderness in both things. See gave a hustory of previous illnesses in which entering the subnormal part. The bacternology of these conduitors has not been investigated.

The author then enters into a minute discussion of the bacteriology of the organism found. He reaches

the following conclusions

7 The organism appears to be a harmless

saprophyte which may assume a mild degree of varulence. Its normal habitat is probably the intestine since the majority of lesions caused by it may be

since the majority of lesions caused by it may be referred to the gut or to its vicinity
3 Morphologically there is nothing sufficient

3 Manyhousemy there is nothing singless to mark it out as a species deserving of special recognition

4 It is characterized by longevity and by the

fact that it will grow fairly well at low temperatures
(15° C.)
5 This last fact and its sugar reactions serve
to mark it off from the pneumococci while its

to mark it on from the pneumococci want in growth on solid media and its sugar reactions en able it to be distinguished from streptococcius mucosus and other capsulated atreptococci

6 In its sugar feactions it corresponds most closely with streptococcus feechs

7 From a consideration of these facts there seems no justification fo a special name—enterococcus since it appears at most to be merely a variant of the facal's group EDWARD L. CORMELL

Allmann Inversion and Total Prolapse of the Puerperal Uterus (I vers: et Prolapsu totalis uten poerperalus) Deal le med II di sch 9 4. sl, 2 By Zentralbi. I d ges Gynik Geburtsh d Grenageb

Two of the author cases are described. The first was that of a Sy of Old III para is whom seven hamorrhage began shortly after apontaneous delayers. The author saw he an hour sife delivery and found he very anamus. The inverted uters are the part of the same of the inverted uters in the part of the same o

In the second case the physican had performed Credés expression for severe hamorriags and case the severe severe the severe seve

Any sort of traction may cause inversion and pressure may start it but not complete it. The progness is unfavorable. The best treatment is proply lars and all unnecessary manupulations of the fisced uterus are especially to be avoided trained must take into consideration also harmorrhage and shock but in general immediate reposition should be attempted in combinated inversions.

the danger of shock is not so great

Severe hemorrhage must be treated by the usual methods Sudden spranging back of the uterus must be prevented and if repos tion is not successful or infection is suspected the uterus must be extire pated. In desperate cases when the woman cannot stand ansarches the uterus any be constructed with stand ansarches the uterus may be constructed with each standard standard to the standard standard to the standard standard to the standard to the standard to the standard to the standard treatment is probably justified.

Bravman Bravman Bravman Bravman and the standard standard treatment is probably justified.

Peterson L.: A Case of Rupture of the Cervix Post Partum (Em Fall o Ruptura colli t ri post part m) F nyk Lik Handi 913 by 744 By Zentalbi f d ges Gynak u Geburtsh d Grenzgeb

A 22 year old woman who had always been well gave burth to a fortus in the eighth month of preg mancy afte three days labor. It was delivered through the posterior wall of the cervix. The size of the pelvas was normal the cervix and external the pelvas was the effect of the pelvas would be demonstrated. The woman became pregnant repeatedly but the preg mancy ended each time with hamorrhage and abortion. It is noteworthy that in spite of the direct communication between the insade of the uterus and the pregnant is formed develop to maturity. If the producted of the order of the product
MISCELLANEOUS

Green R M Intractantal Harmotrhage in the New Born Bosto If 6°S J 1914 clex 68 By Surg Gynec & Obst

The author reports seven cases of intercannal hemorrhage in new born babies giving the post mortem findings. In two cases there had been a difficult forceps delivery a d in one a low forceps I llowing a technical labor. Two cases occurred alter what seemed easy labors. And there were two cases of hemorrhaging a reconstruent. His conclusions are

Intracramal hemorrhage may occur in the new born either from the trauma of operative or

normal labor or in association with harmorrhagica meanatorium

2 It often does not present the typical clinical picture of increased intracranial pressure

3 Its presumptive diagnosis depends on early recognition of refusal to nurse pallor, and slight facial ordema which may be confirmed by the ap-

- pearance of more classic signs
 4. Diagnosis may be positively established and
 some therapeutic rehet afforded by lumbar puncture
 when the hemorrhage is infratentorial or by cranial
 puncture when the hemorrhage is over the cerebral
 conventive.
- 5 If these measures fail to give relief operative decompression by craniotomy is indicated.
- 6 The majority of intracranial hamorrhages in the new born are subdural but intraventricular hamorrhages may also occur
- 7 The source of bleeding may be from laceration of the tentorium of the choroid plexus of the long.
- tudinal sinus and of the pial vessels

 8 In cases associated with hæmorrhagic disease prehiminary transfusion may be indicated before
- craniotomy

 of the prognosis demands an
 enlightened prophylarus by avoiding all unnecessary
 occasion for fortal trauma

 C. H. Davis

Grone O Epidural Hæmatoma in the Spinal Canal of the New Born (Epidurales Hamatom im Ruckenma kskanal bri Neugeborenen) Zeni albi

Ruckenma kskanal ber Neugeborenen) Zent albi f Gynak 19 3 EXEV: 849 By Zentralbi f d ges Gynak u Gebu tah s d Grenageb

This is a report of four cases of epidural hematican in the spanal canal without visible fujury of the vertebra or ligaments. The author believes that such cases are more frequent than is generally known because on autopay the spanal canal is asidom opened. Expectally in small children,—for example twins—and prematurely born children he thinks the hermatomass may be caused by liquey to think the prematomas may be caused by liquey to delivery. In the cases described the Wassermann reaction as a negative to the most properties of the cases of escribed the contraction as a negative to the most properties.

K HOPPMANY

Brattstrom, E.: A Case of Quadruplets from Four Ora, with a Discussion of Quadruplets in General (E n Fall von vierrugt Vieringen nebst enigen Beobachtunge in besig auf Vieringsgeburt im allgemeinen) Allis S Let 931 x

By Zentralbi f d ges Gynak u Geburtsh. d Grenzgeb

A 33 year-old multipara henelf a twin gave birth to quadruplets negling area 3370 1050 and 3730 gms respectively. The maternal grand mother and one sister of the maternal grand triplets All four children were boys and set were to born alwe. They showed all the signs of material triplets and were nell nourashed. Since the mothers in the same of smileters it was supplemented by some both fred may On the third day after both all three showed sight acterus. One of the three dead after showed sight acterus.

five weeks of general debuty the others trems not well. The collection weight of the pix cans was 1000 gain. Three of them were separt ted by well mathed septs the other was completely separa e-The frittent had leveloyed from four separate one. In Sweden from 1731 to 1010 at mg 15 050 351 I this there we do kneed of up drupties.

lijo stantini,

Rallantyne J W 1 Stillbirths Regi tration J OS 1 OC year K at Fup 12 4 117 By burg Cymer & Obst.

this article is a primite with a pert to I this distance of particularly to the quession of all lifth. While acknowledge quitats some of his propositions are revolutionary as far as leg length after a leg length the so is frighted are two crued the author " as the foll wing defoutions I turn sporation in the rules was mu a visual status."

I for d a fourth the complete expulsion from the maternal I the small of a th II which has a cer before I in has leed it shareters of ante at II expensibly beart lead steeral pulsate and monement.

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The still left if a militer provide the still left if a militer provide the still left is still left in the still left i

of a ten tall le lef re the mi of the st th in ar morth ly if expel on of the steeme or tents I supposed. I permature it this expell if the steeme content alt r th st th in ar mon h but belore the lil term and it may be a deall the large that I be the Cay T CENSETT.

Murray 1 The Immunological Relation hips of Nother Festu and Placents Hel For t & Core 1014 scent 415 By Surg Gyeec & that

The experiment I work of recent years b a do most rated to the relation by not mother his I exus is comprabl the rother to that of host and part its than to my borroon line ration Lattice I however the recent of the relation I mornal to took personnel to the another person of the relation I mornal to took personnel to the same recent to the number of the relation of the relation to the number of a recent personnel to the number of a recent personnel to the number of a recent personnel to the number of the recent personnel to the number of the

Although the resemblance between anaphylan an I eclimposa is purely superficial the author beleves there is an excuse for lu igner ecl mous t be an anaphylat in pregnancy I spenires al work in samous laborato sea makes it certain that an animal can be sens turd by sa injects a of clases a from I sown species Placents seems to be the 'y ti su which ha this property, I retain the hi extracts under the same conditions w I not do so This remarkable segul makes at plan that there is some factor in the placenta of any species which i alien to the blood of that very species Sen titta tion is never level ped with purely homoloms enale. Placents must contain some body known as an antigen which is capal le of product g antibodies in the species, that is the st mulat got the lady timues and flue to immunize themselves. That sen tization has occurred is really proved by the anaphylasus which immediately follows a secon i an ! larger injection,

It has been proved that pregns t animal are already see theel to pl cents as the unde larger a seed done of it produce anarchilates. The is troo

m. Led is very early pregnancy.

There is not lence that there is some a gencommon to ferric and placer, a as any a real sectured to fort I serum can be rule an physicit
when placers all estimate the second appetit
when placers all estimate in the second appetit
lower, of the number belower that the an of, or
permanent is a pump placerstal one and services
to hereofer and lentist.

Complement figures reaction which demonstrate the presence. I am an about have proved you we will be the present and in early pregnancy above from the little to the futteenth week and possibly a westited with the fullest development of tropholibute act after

By ream [n] remove an I deleat apper into we have 1 when 1 What 1 Who men's We have I would not be the elected for no de two loyel placed in just position it in peakly particularly in the latter nonthe of personney to show a das neitre restude when just not letter to place pergus i serves at compared with placental exist ciple in present serves at compared with placental exist ciple in present serves at the placental compared with placental exist ciple in the placental exist of the present serves at the placental existence of the placental exists of th

The thor describes treely the thierestides dulying rection a listates that like other anticoni holy rea tions it is better in rhed in early pregnancy C II D vis.

Helmer K. Sam un F. by Di gnoul of Pregnancy be stade in Low with Abderbattens District (Last at him the haiden Dalyan ri him bet habe of Tri hunt i inchestig orther) at what of Crant of a significant By Zentrall (of cre. 1) nak Columbs and Greensch-

The kiel gonecological clinic does not believe that itsl six gi es a pi if reaction for pregnancy kurt recently performed a series of specim no with

cons 2 of which were pregnant in the first month 8 in the second 6 in the third, 4 in the fourth and 4 in the fifth Almost all the sera were tested with both the maternal and fortal part of the placenta A dose of 2 5 ccm of cow's serum was regarded as

the optimum dose

The results were as follows With a dose of I com of serum all four of the pregnant cows examined reacted negatively With a dose of 1 5 three cons were tested with both parts of the placents and gave a questionable reaction A non pregnant cow gave Another non pregnant cow the same reaction reacted negatively With a serum dose of a com the reaction in 6 pregnant cows was not definitely positive With a serum dose of 25 ccm among twelve pregnant cows tested half reacted negatively Of the rest only three gave a certain though only weakly positive reaction two with the maternal and one with the fortal part of the placenta Of the 9 non pregnant cows tested with the same dose of serum the reaction was completely negative in only 5 cases 3 of them reacted positively. In its present form Abderhalden a dialysis does not give a certain diagnosis of early pregnancy BENTHIN

Wall R. L. M The Valu of Abderhalden a Tests in the Diagnosis of Pregnancy J 05: Bril Emp 9 4 Ex., 53
By Surg Gynec & Obst

This article 1 rather in the nature of a critical review of work already done At the same time the author reports his own results based upon tests of the era of 50 pregnant women In brief his conclu so sare

The serum of pregnant women contains a specific ferment capable of d gesting placental tissue and this ferment can be detected from the eighth week of pregnancy until ten days after delivery both by the optical and by the dialyzation test

2 That both tests should always be pphed to the s rum from the same case and that the accuracy of the results depends entirely upon the most scrupulous care in details of technique

3 That the tests appear to be of value in diag nosis more especially in the following conditions () The early d agnosis of pregnancy () the dif ferential diagnosis b tw en fibromyomata and pregna cy (3) the diagnosis of ectopic gestation (a) the diagnosis of chorio-epithelioma and (5) the presence of retained placenta

4 That there is at present no justification for stat g th t the serum of pregnant women will

d gest other than place tal tissue 5 Th claims of Abderhalden that the optical

and dialy ation tests are of value in the diagnosis of pregnancy are established CARE CULRESTSON

Fraenkel C. Serum Diagnosis of Pregnancy (Ein Berirag ur Serodugnose de Schwingerschaft) Beri M. W. Sauck 9, 3, 1 By Zentr ibl f d ges Gynak u Geburtah d Grenageb

Where pregnancy was known to be present the atiproteolyt c power f the mothe a serum was

always increased In clinically doubtful cases this increase was not found in the ones that turned out on further observation not to be pregnant but it was found in those that were really pregnant There was only one exception to this a case of high antitryptic titer without pregnancy The sera of the non pregnant cases in most instances showed no increase in the antitryptic titer but there were a few rare exceptions

The reaction is almost as marked in carcinomatous sera less so in patients with disease of the adnexa Therefore the determination of the antiproteolytic power of the blood may be used in the diagnosis of pregnancy to the extent that a pegative reaction proves the absence of pregnancy while a positive reaction must be accepted with some reservation as there are some exceptions. TARGER.

Miller J W: Corpus Luteum and Pregnancy the Youngest Human Oyum Obtained by Opera tion (Corpus I teum und Schwangerschaft das juggete operati erhaltene menschliche Ei)

Beil is n. Wei k 913 l 865

By Zentralbl f d ges Gynal u G burtsh s d Grenzgeb

Ovulation precedes menstruation by about q days as shown by the experimental work of Fraenkel and Hitschmann Adler Therefore the limit for fertilization is about 18 days after the beginning of the last period or in women who menstruate every three weeks about in days

Miller proves the epithelial origin of the corpus luteum by demonstrating colloid drops inside the cells which are produced only by epithelium. The fresh corpus luteum gives no fat reaction neutral fat can be demonstrated only after the beginning of degeneration the eighth or much week. The corpus albucans arises from the disintegration of the fatty lutein cells by hyaline degeneration of the

connective tissue reticulum

luteum and adr nals

The corpus luteum of pregnancy is characterized by colloid drops and calcium concretions with negative fat reaction The corpus luteum is a periodically formed gland with internal secretion which causes increased size and turgor of the organ in the reproductive years cyclic transformation of the endometrium into decidua and insertion and development of the ovum and menstruction if it re not impregnated

The author describes a case of removal of a cystic corpus luteum by laparotomy in a patient pregnant 7 0 8 weeks there was degenerat on of the product of pregnancy without abortion. It is glways the ovum of the first missed period that is impregnated implantation takes place not at the close of the last period but shortly before the time of the first missed The premenstrual change in the uterine mucous membrane is caused by the corpus luteum As impl utation takes place at the end of the first missed period the hitherto accepted duration of pregnancy must be reduced by about 10 days. The t ucoses of pregnancy including eclamosia probably arise from a hypofunction of the corpus

Menstruation is only a kind of periodic unburden ing of the hyperculic uterus and has no importance in conception. The menstrual blood is probably the nutritive fluid for the ovum and is ducharged after the breaking down of the ness of the orum. Rutling and menstruation are developmentally and physiologically different phenomena. The implantation results from the active penetration of the ovum between two gland openings. Both components of the trophoblast are of fortal origin. The capillary endothehum and the gland epithehum are purely massive.

Von Neugebauer F: A New Series of 73 Cases of Twin Pregnancy with One Orum Implanted Inside the Uterus and the Other Outside (Lue ne c Serie on 73 I Illest isochroner h terot per 2. Imps schwangerschaft das eine I in trauterun das indere extra terus implantiert nebst Schlusserfolgerungen Jegnitä R närdess 1913.

vi Soo By Zentraible f d ges Gynak u Geburt h a.d Crenzgeb The author had previously published a mono graph on this subject and has alnce collected viz cases from the literature making jess in all. The

conclusions from all the statt tres are as follows.

The frequency of such cases increases with progress in disgnosas and operative experience. In the first 1 o cases the right diagnosa was made only 7 times before operation, while in the present series of 13 cases it was made 8 times.

The fate of the intra uterine fectus was not given as a cases in 10 cases there was abortion 37 of them spontaneous and 33 after surgicial operations, 73 of the uterine pregnancies gave 76 mature and bring children there being terms in de the uterus in three cases 35 of these children were delivered by abdominal moision.

It is hard to tell what became of the extra utenne features for most cases there was no precise in formation. Among 38 cases the extra utenne fectus was extracted mature and living by abdomi nat increase a function and increase the state of the state o

The mortality is constantly decreasing and will decrease still more when operation as always per formed at the right time before the woman has lost too much blood. When extra uterine preparacy is known or suspected operation should be performed at once regardless of whether there is at the same mean untue me preparacy or not Jazzas.

Routh, A. The Need for Research in Antennatal Pathology B il II J q 4 l qo By Surg Gynec & Ohst.

The author states that in the study of antenatal pathology it is necessary to det ruine how prierial and maternal disease e g syphils, tuberculosis general diseases of the mother— uch as smallpox, memmonia diabetes, tozemus of pregnancy etc.

affect the fertilized ovum in its embryonic and in its fortal stages. Also the pathologist who would succeed must familiarize himself with post natal nathology in all its variations.

Research can only prove whether in cases of maternal albuminura or eclampala the foreal organs participate in the pathological changes found in the mother in these diseases. In such serious and often fatal maternal tooic diseases every effort is conceatrated upon the mother and pathology of the feets with the soften dead is hable to be diserrided.

Batteriology has led to the duco-sey of the specificgermin many maternal diseases which cause factled death and hence the task has now become much easier. This is especially turn in the case of syphilas since not only the specific cause is known—spire and cause of any of the specific cause is known—spire diagnosts and roung mention of making a positive diagnost and roung mention of making a positive diagnost and roung mention of the first is usually from the mother Also that the maternal infection is transplacental. The effect of a pith us in causing aborisons or stillbirths as still secretifically at least a debatable question at the control of the spire of t

Antenatal tuberculosis according to British authorities is almost non-existent lery few children at birth show evidences of clinical tuber culosis and to prove or disprove the presence of antenatal tuberculosis as problem not yet sol ed

To further this spirit of research Routh suggests that all general and lying in hospitals be provided with antenstal research laboratories, so that the pathology along with the chinical observations of every abortion and stillburth can be reported.

Havey B M traces.

B lat R C. Two Cases of Pregnancy in Uterst Subseptus. B # M J 9 4 1, 907 By Surg Gynec & Obst.

Bust reports two cases of pregnancy m uterus subseptus and refers to one previously described all having been seen within air mouths. Just how frequently mallormations of the uterus occur it is impossible to say, but the question of their if ence on the genital functions to of practical; terest

The chief distu bance in association with preg

- 1 The second cavity has been said to explain cases of meastruction occurring during pregnancy in the other
- 2 The formation of deciding in the second cavity may call for its definite expulsion 1 delivery and may give an unu ual form of hamorthage inits partum or post parture

3 The unequal development of the uterine walls may provide a source of irregular contractions during labor or post partian catuing delay in d livery or post partium hamorrhage respectively.

4 Rupture of the arregul ly developed aterus has been recorded freque tly both at the fundus and at the cervix Harvey B M renews

OBSTETRICS 101

Jaschke R T Examination of Kidney Function in Pregnancy (U tersuchungen ber die Funktion der Nieren in der S hwangerschaft) Zis in f gynäk U al 1913 iv 92 By Zentralbi i d. ges Gynák u Geburtsh d Grenzgeb

Formerly the judgment of the Lidney condition in pregnancy was based too much on anatomical changes the function being scarcely considered at all The anatomical changes cannot explain the wide differences in individual cases The author carried out functional tests by \ on Schlayer s meth od on 20 normal pregnant women with urine free from albumin and got noteworthy results

According to Schlaver the excretion of potassium jodide gives information as to the condition of the tubules, that of milk-sugar as to the condition of the vessels. Almost all the cases showed an acceler. ation in the excretion of potassium iodide of 24-28 hours-normally o 5 gm potassium iodide is excreted after 40 hours The milk-sugar excretion on the contrary was delayed except in three cases to as much as double the normal time which is I gm in s to t hours

The hastening of the potassium lodide excretion indicates an increased functional activity of the tubules which the author regards as a process of adaptation to the pregnant condition. In 4 pathological cases the test showed a delay in the milk sugar excretion in one case to 33 hours, and also a delay to almost double the normal time for the potassium sodide excretion. In the puerperium there was an e traordinarily quick return to normal Perhans the functional decreased sensitiveness of the blood vessels in the decrease of the diuresis and the salt quotient plays a great part DORY

Hendley P A Pituitrin in Labor B at M J 1014 By S rg Gynec & Ob t

Hendley strongly favors the use of pituitrin when the indications are present and gives a word of warming against its use in those cases presenting any obstruction to the presenting pole. It is invaluable in the long-drawn-out first stage of labor especially where the membranes have ruptured early causing a dry labor It is a powerful remedy in the treatment of shock and collapse and the excitement of a highly nervous woman is calmed in an extraordinary

The author further states that recovery is hastened and patients who have had pituitrin administered always ask for its repetition. Again he has never had a case of post partum retention of urme nor a severe post partum hemotrhage following its adnunistration. If slight post partum hamorrhage supervenes a further dose will control it

A sample technique for the routine method of administration of pituitiin is given following which is a report of 60 cases demonstrating the efficacy and safety of the drug HARVEY B MATTHEWS

Herron D A.: Pituitary Products in Obstetrics Si Paul V J 1914 xvl 237 By Surg Gynec. & Obst.

The author discusses the physiological action of the extracts of the posterior lobe of the pitultary body reviews briefly some of the literature regarding their use and makes some deductions from his own expenence with these preparations in a series of 32

deliveries In his series of cases where pituitrin was not used the average duration of labor was 10 to 11 hours as against 12 hours and fifteen minutes when it was employed Fifteen cases which he had thought would be difficult labors if not operative cases ter minated spontaneously after the use of from one to two ccm injected intramuscularly. He agrees with the generally accepted notion that it should not be given without good dilatation or in primiparse with rigid perinal He is of the opinion that it is more

prompt and more rehable than any other oxytocic

more powerful than any but ergot, and if used only

as indicated harmless to both mother and child. C D HOLMES.

GENITO-URINARY SURGERY

KIDNEY AND URETER

Jump H D Beates Jr H and Babcock, W W:
Precoclous Development of the External
Genitals Due to Hypernephroma of the Adrenal
Corter Am. J H S 1914. criva. 548

By Surg Gynec & Obst.

The authors report a case of the above briefly summarize the literature on the subject and suggest a new theory in explanation of the phenomenon

The subject of the case report a girl began to develop rapidly both physically and mentally when one year old. Hair appeared at this time on the pubes in the sxillæ and over the legs and trunk in the order named When she began to talk her yours was priched much lower than in the normal child and by the time she was seven it was a deep bass. At this time the skin of the face became rough and red from an acne eruption and she developed a beard A tumor in the right hypochondrium was then first observed although search had previously been made for one. The tumor grew rapidly so that three months after its first appearance the abdomen was greatly distended and dyspaces was marked The labra were very large and thick The chitoris was one inch long and half an inch in diameter and notched on the under surface so that it resembled a hypospadic penis. The patient did not men struate

The child died three hours after operation for the removal of the tumor a hypernephroma of the adrenal cortex. At post mortem examination the uterus, overies and pituitary body were found normal.

In explanation of the tunous overgrowth noted, the further call attention to the relation between the advantas and the pituitary body desembed by Sajous In regard to treatment they suggest early operation is all cases presenting similar symptoms, as the prognous without operation o with late operation is absolutely bad 5 W MOGUELAN

Saviozzi V: Study of Perirenal Tumore (Contributio à l'étude des tumeurs pararénales) T mortors in 207 By Journal de Chirurgie

The author describes a case in a woman of so who was very pale emacated and cachectic and whose shelomen had been increase in size for all whose shelomen had been increase in size for a year a da half An irregular weeking which could be felt on the right usde was hard and fluctuating in places and extended down to the pel vand upward to the f ise ribs and occupied both faints, but us as more pronounced in the right Ac in ical diagnosis of malignant cystic tumor of the right overy was made

Operation was performed under high speak ameritesa. A median submuluted lacency as made and an enormous soft retroperatesed tumor discovered which he deceded to remove through a lumbar mension. This incision having been made a tumor time as large as a natifix shead was found. The kidney appeared normal and was utuated behind the tumor to which it was loosely adherent. The tumor was removed without any considerable humorrhage and the patient before the operations of R.

wh ch speaks favorably for squal sneathess. The tumor was made up of two parts a large multiobular one seemingly made up of adopted the state and a smaller one apparently fibrous. It weighted 140 kg and was 50 cm in circum ference. On section vanous lands of itssue were found—tatty abrous fleshy and miscalar liferometers and the section foundments of the best authorized.

The author reviews the cases previously published and comes to the following conclusions. This form of tumor is found especially in women from 15 to 60 Sometimes they develop in the percenal cellular tissue sometimes as in this case they are encapsu lated and are easily removed sometimes they devel in the fibrous capsule and then they are very adherent so that nephrectomy becomes necessary They may attain a large size weight g from 5 to 30 Lilogrammes Saviozzi thinks that this case cor firms the assumptions of Albarra Birch, and Hirschfeld that these tumors are derived from the wolffian body Diagnosis is very difficult. They may be confused with tumors of the kidney spleen and ovary The prognosis is relatively beings of recent years owing to the progress in surgical techmone He reports 60 operations with 30 per cent mortality OR LILLANDER

Bloch O E. Kidney Injuries U of & Cut s Ret Q 4, xvm 60 By Surg Gypec & Obst

In order to disprove shock as the most promued symptom in kindey injuries, the author cites a case of a young man aged 17 who received an injury shich was accompanied shortly theresifer by hematura. Forty-eight hours later owing to 8 rapid week pilots and great plan an incume at the control of the convention of the convention of the convention of the Lidney bout two-thurds of its leagth

The second case was that of ma forty he gen is of age who following the pushing open of a door suff red severe pain in the pper-left abdome. There was no humaturia un alysis normal Several days late a swill g developed in the left like region which extended t the crest of the thum and

was palpable Three days later cedema appeared on the left thigh over this area. An incision showed this area was filled with blood

The third case was that of a man who had been kicked by a horse in the upper left abdomen In all three cases the cavities were packed with

gause Bloch believes that on account of penetrat ing wounds of the kidney being so often associated with trauma to the viscera intraperitoneal opera trons should be performed H A KEAUS

Arcelin One Hundred and Two Radiographic Examinations for Lithiasis of the Kidney and U eter Verified in V rious Ways (Statistique de examens radiogr phiques pour lithrase uretéro-rénale survie de vérifications diverses) Lyon méd By Journal de Chirurgie 0 4 47

Si ce 1006 Arcelin has made 102 examinations for calculus which were verified by operation, spon taneous expulsion of the calculus or autopsy he did not count the numerous cases not operated on or not followed up

As a result of these examinations or operations were performed 2 patients having had a double operation there were 7 cases of spontaneous expul sion one of expulsion after catheterization and 4 autops es In the 102 examinations there were two errors of interpretation I facal calculus and I bihary calculus having been taken for calculi of the kidney In a cases the radiographic diagnosis was not co firmed on operation in one case nephro tomy was performed a d an attempt was made in vain to find a shadow at the level of the fourth lumbar vertebra in another case several shadows of calcula in the right kidney were not found on nephrotomy but were found at autopsy

To avoid such occurrences as noted above an attempt should be made to localize the calculus by means of a ureteral sound. This would show that some shadows located along the urmary tract are not due to calculi There are also some calculi invisible to radiography in the living subject. One calculus weighing 3 o gr was not seen because of lack of mobilization of the kidney while the picture was taken It was composed of phosphate and calcrum oxalate and would have been visible with a better technique One calculus of pure unc acid weighing 0 47 gr could not be seen in the hying subject but was found on autopsy in the pelvis and 4 pure une acid calculi of the pelvic ureter remained invis ble in the living subject Thus the e were 2 per cent of errors of interpreta

tion 2 per cent of calculi indicated by radiography but n t found on operation and 6 per cent of calcul not visible by radiography but found after R LERICHE

krotoszyner M Early Diagnosis of Ren 1 Tuber culosis. C If St J Med 0 4 30 pt 9 4 Mu 95 By Surg Gynec & Obst

Arotoszyner outlines the methods of making an early diagnosis of renal tuberculos s for he clams

that in limiting the disease to its original focus or to one kidney has the only hope for a cure by less radical and mutilating means

The failure of recognition has in the fact that the general practitioner is not on the outlook for it Suspicious symptoms are pollakiuma insidious without palpable cause as gonorrhora traumatism instrumental infection etc which is running along with or without dysuria and a cloudy microscopi cally purulent urme which has become chronic Characteristic symptoms are also a slightly red dis coloration of the urine or a definite terminal hæmaturia. Satisfactory conclusions as regards localiza tion of the focus may be made by a history of distinct attacks of kidney colic or pains located at one of the renal regions at either of the lateral abdominal regions near the crest of the ileum the hip or the os sacrum. Occasionally a sensation of chilliness in one lumbar region is complained of also distinct unilateral sensations of pain in one half of the blad der urethra or vamna or in one labium which are either connected with or noticeably independent of micturation at times a sudden and intense bladder tenesmus with evacuation of a few drops of a clear

watery urine with chills and consequent sweating Palpable enlargement of the kidney should be accepted with caution In some cases there are present pressure points in the course of the ureter this symptom is rarely missing in women

LOIDS GROSS

Pardhy K. M. Nephroptosis: Movable Kidney Floating Kidney Dropped Lidney

Hoating state of the state of t

The author makes a report of operations for movable kidney on patients with mental disorders He has performed nephropery on 415 patients in 396 of which he anchored the kidney on both sides In all he has anchored 811 kidneys He says the majority of patients suffered more or less from neurasthema mainly or in addition to digestive genito urinary, and local symptoms such as severe headache tachycard a asthma hemicrania etc The author however proposes to deal mostly with patients suffering from mental disorders such as melancholia with or without delusions, insanity and mama He has performed nephropexy on 2 pa tients of this type His interest was aroused by Suckling a observations along this line

The author then takes up the pathology and attempts to establish the fact that the nervous disorders are due to toxernia caused by the obstruc tion to the flow of urine through the ureter He says this toxemia may be caused in the following ways z Deficient excretion therefore retention

some of the waste products of metabolism in the blood stream 2 I terference with the formation of the internal

secretion of the Lidney 3 Possible formation of a perverted internal

SECTETION

4 As a result of the obstruction of the urser when it is kinded statis of the urne and lock pressure in the pelvis of the urser and each pressure in the pelvis of the urser and unrany tubules are produced. This is evident as previously stated from the varying degree of by drunciphrous faitening of the pyramids and cynite degeneration met with Probably this stagman urns will undergo decomposition and some of the products of decomposition will be absorbed into the general circulation.

According to this condution he justifies the recovery of 19 out of his 25 patients of mental disorders. He emphasues the great care that should be taken of these patients after operation that they should be under the watchful care of a nurse or should be detained in an asylum for mentally duesased patients. Out of his 25 cases 19 were females and

ó males

The time required for these patients to obtain a complete cure after hephropezy varies from a few months to a year or more and it is very essential the author states that these patients be properly caref for during that time and their physical and menial welfare carefully looked siter as outlined by the usual treatment of mental cases.

The author attempts to refute the idea that nephropery has little or nothing to do with the recovery of these patients although it requires such a long time for them to recover after the operation

The author comphastics the proposition that kidneys should be fixed in an early the normal position as possible and he prefers the Billington method of operation. He regards a large number of cases of neurasthema as caused by non-table kidneys and believes that applications and their set that applications proporty and effect entry performed pire cuts auto intoucation and the consequent time of nervous symptoms. He was the Bildiel sutures and the curvait ear measure of Billington extending from the end of the twith rab to the edge of the quadratus lumborum and continuous parallel to the writer. A C STOKKES

Nuzum F Retro-Aortic Left Ren I Veina. J Am M Ass 2014 in 1238 By Surg Gynec & Obst

Numm us a detailed examination of the iterature found but it de citations of the left renal vein by a behind the sorts. To this number he adds to from the pathological inhoratory of Rush Medical Col found to drain both normally formed and placed kidney. The authors agents a probable relationship between the presence of refres-orative renal vants and the conditional conditions of the description of the conditional conditions of the condition of

B Circust and

Billington W: The Results of Nephropexy Brd M J 9 4:1856 By 5 rg Gyace & Obst.

The suthor reports ha ing perf rined nephropexy on over 500 patients in the last nine years in many

cases both ladneys having been operated on. He judges the results of the operation from rs o alandpoints mechanical and therapeutic. To be nechanically successful the operation should result in the permanence of the iddney in the position in which it has been fired and the absence of unpleasant sequels such as pain sinus and herma in the sear. Therapeutically successful cases naturally are those in which the operation is followed by the disappearance of the presenting symptoms

of the presenting symptoms
A review of Billington's cases abous that a very
large per cent hav been successful mechanically set will as therapeutherily. In a recent lowest guide
of 100 consecutive cases where the operation had been of more than one year a standing 60 per cent
were curred or greatly lendited 30 per cent were
been and per cent were unimproved. In the
women 37 were married and 56 were unmarried
month 37 were married and 56 were unmarried
to same time in 32 cases the right kidney only and in
it the left. The average age of the patients was
34 and the average duration of symptoms was 52
1215.

Caulk, J. R. Incrustations of th Ren I Privis and Ureter S g Gyere & Old 10 4 xviii 497 By Sure Grace, & Obst.

In the brginning of the article stone formation and calcareous deposits in the genito unnary tract are briefly considered. It is noted that most of the writers on this subject are in accord in the belief that pecrosis is the most important feature in such production but the ma ner in which deposits are laid down in areas of necrosis is still an open question. In the paper four cases of incrustations are reported the first occurred around the reval pap lis. with a retention cost of the Li liney as a consequence the second case occurred on the posterior wall I the renal pelvis the third in the upper areter and the fourth in the juxta esical ureter in other worth such formations may occur in my part of the tract The deposits in all fo r cases were evidently calcium salts. The two pelvic cases showed inflammatory changes as an trological factor in the uneteral cases, not coming to peration the pathological ies a could not be determined. There was nothing of importance n the symptomatology except in case three. In this case the pain was paroxysmal acute a d cuturely epigastric

The chief feature I the authors paper is the dagnostic complex which should enable one to differentiate an incrustati n along the unter from a calculus as well as a sandy impaction. The follow

ing are the four cardinal point

(a) Far t \ ray shadow (b) the passage of the gg shell he material following the mampulation with the ureter catheter (c) the passage of the catheter through the obstruction and rither sig the patient of symptoms the \ ray shadow still per sating and (d) family the gradual disappearance of the shadow by use of the rete cathette.

Treatment in such cases depends on their location Those around the papillae or within the renal pelvis should be removed by nephrotomy The author believes that pyelotomy will not provide sufficient exposure to insure the complete removal of all the calcareous material Incrustation along the ureter should be removed by means of the ureter catheter if poss ble Open operation, are liable to lead to secondary stricture necess tating later nephrectomy

Sweet J E and Stewart L F The Ascending Infection of the Kidney S & Gynec & Obst

0 4 xyss. 460 By Surg Gynec & Obst 9 4 XVIII, 460

The authors present a review of the literature of the lymphatic apparatus of the Lidney ureter and bladder which shows that there exists an extensive lymph system which freely anastamoses so that the bladder is in direct lymphatic connection with the kidney through the lymph channels of the ureter They conclude that infection travels through these channels and not through the blood vessels since the veins of the bladder and ureter for the greater part open into the general venous system not into the venous system of the kidney that infection proceeds upward through these lymphatics and not through the lumen of the ureter is further shown by experimental evidence. If the lumen of the ureter be open to infection the infectious process is traceable in the lymphatic system not along the mucosa. of the ureter If the lumen be closed to infection the process extends to the Lidney in the usual way If the lumen be open to infection but the lymphatics not in contact with virulent infection as when the ureter is passed through the pancreatic duct there is no ascending infection. If the lumen be open but the continuity of the lymphatics be interrupted in fection does not ascend Finally if the kidney pelvis be directly connected with the gut the general infection characteristic of an ascending infection of the kidney does not occur

The practical surgeon must bear this lymphatic system in mind in dealing with any infectious proc ess in the pelvis or lower abdomen and in the presence of a kidney involvement must look for a possible primary source outside the kidney suggestion is offered that ulcerations accompanying

a cystitis should be locally treated

Von Hofman E.: Dangers of Pyclography (Sur les dangers de la pyclographie) Foi of 9 4, viii 393 By Journal de Chirurgic

Pyelography is a method of Lidney examinati n which consists in 1 jecting a 1 per cent solution of collargol or some other subst ce opaque to the A rays through a ureteral sound so as t fill the pelvis and the calyces a radiograph is then taken and an image of the excretory passages obtai ed Thus renal retention or an makes of position which could only be suspected chancally can be demon strated But the method is not without danger you Hofman describes the two following cases

Pyelography was performed on a young girl of 15 with a left hydronephrosis Four days later she died of peritonitis. Autopsy showed that the pocket of hydronephrosis filled with collargol had ruptured As the kidney was adherent to the descending colon rupture took place into the poste-tior cayity of the omentum. From there through Winslow's foramen the collargol was distributed into the peritoneal cavity. On histological exami-nation collargol was found in the uriniferous tubules and also at certain points in the glomeruli Through the runtured unmiferous tubules the collargol had passed into the neighboring tissue where it had produced necrosis

In a second case of pyonephrosis pyelography was performed three days before operation The collar gol had penetrated the interstitial tissue though the fissure through which it had passed could not be found Here too the collargol bad produced foci of DECTOSIS Therefore pyclography by Voelcker and Lichtenberg's method is not without danger As in all methods of examination, the technique should be found which will give the maximum of benefit and a minimum of risk The author believes that Legueu and Papin's instrumentation and technique will aid in avoiding such accidents as those described E TEAN RAU

Barringer B S Ureterocele and Ureteral Stone T Am Ass G U Surgeons Stockbridge 9 4 M By Surg Gynec & Obst.

The author believes that Lidney or ureteral stone is at times secondary to ureterocele and cites a case in which there were bilateral ureteroceles in one of which a stone was caught By means of the operative cystoscope the margin of the ureteral ornice was removed and the stone passed into the bladder and thence out This simple operation cures the ureterocele and removes the stone at the same time

Whitehead G Extraperatoneal Ureterolithotomy through a Median Suprapubic Incision Lancet Loud 914 charvi By Surg Gynec & Obst.

A youth of o was admitted to the hospital for radical cure of right inguinal hernia. He had had an external urethrotomy at 7 years of age for removal of an impacted stone in the urethra, at II a suprapuble cystotomy fo ves cal calculus and a second time for vesical calculus at 15 and at 16 radical cure of left inguinal hernia

I'en days after the operation for radical cure of right inguinal hernia he was seized with a sudden attack of pain in the left groin Y ray examination showed a calculus the size of a sparrow's egg im pacted in the lower end of the left ureter A median suprapubic incision was made under spinal anasthesia. The calculus could be palpated with a finger in the bladder near the left ureteric orifice but the procedure pushed t upward in the ureter By free retraction of the left recius muscle and extraperatoneal dissection the left ureter was ex

posed at the pelvic brim. A sing of stout silk was passed around it and held while with a finger in the bladder the stone was pushed upward against the alk sing and a second loop of silk was passed around the ureter below it

The stone was removed through a longitudual incision and the opening closed with fine catigor. The bladdie was suture I and the suprapuluc wound closed with a slender tube put down to the increason in the ureter. A soft rubber catheter was teld in for 48 hours when both the catheter and drainage tube were removed. Revoicy was uneventful the

wound healing by first intention.

The bladder was opened by a median supraspulse incasion because it was suspected that the nation would be found e cysted close to the uretere ordical route. The excellent access to the pelvic urrier by extrapentoneal dassection through the same incasion suggests that in similar cases the media inci on might be used and the stone removed from the ureter after pushing it back to the pel in brim with out opening the blad ler.

If G Harris

BLADDER URETHRA AND PENIS

Coudray J: Primary lithicals of the Bladder in Glildren and Ad It up to 48 among the Musaulmenn of North Africa (Co tribu n à létude de la lub se éveale pren is ede lenf et et de la distribute de les est en manulla na d [Unque du Nord] J de ser les manulla na d By Journal d. Ch rurgi

In to years Coudray I a I to8 cases of calculus of the bladder among the Musselmans, 40 of which were in adults from 15 to 40 and 50 in ch kiren under During the same time he had only one case of kidney calculus He believes that the nature of their that which is largely vegetable and lacking in nitrogen and the water which contains calcium and magnesium, are important factors in pathogenesis Incontinence of urine was unusual in se eral cases there was also prolapse of the rectum Because of the late stage at which the patients came for treat me t and the frequency of renal infection cystos tomy which places the bla ider at rest and llows it to be dras ed and disinfected was indicated in I T VIOY preference to hthornty

Edmunds, A Fetopla of th Bladder Practitioner
Land 19 4 8th 501 By Surg Cynec & Obst.

Ectopus of the bladder is a def muty which according to heudoffer occurs once us goods burble in the proportion of eight boys to one gat. Smeed the reside t medical officer at Queen Charlotte a Hospital reports only 3 cases out of 25,000 burble for a period of seven jests in that institution. The author gives the details of a case which came under his personal supervisa in

The patient was a girl aged 12 who had been sent home from South America in the hope that some thing could be d n f r he in Ingl nd Her cond tion was extremely muserable. The mucous members of the bladder was completely exposed mycetung forwards as a deep red owned swelling, the was in fairly good condition that i there were no ulcers or incrustations upon it. The stan around was cicatural and covered with scales of hardered mucopurulent duscharge at the lower part of the bladder the two ureters could be seen partly covered up by swellen mucous membrane. The mnee excaped naturally through both of them

There was a fullness in each grown which ended towar is the middle line in a rounded eminence bearing a few scattered hairs the two together forming a sort of vulva. On separating these two curved fleshy prominences were seen, representing the nymphe and the split chtors and bet een these was a small triangular area of mucous membrane This bore several transverse ridges and was smooth lighter in color and healthler looking than the bladder differing very little from the normal vaginal wall of which it was probably the representative There was no indication of a cervix. The anus as normal On either side just beneath the two hairs patches could be felt the pointed ends of the divided symphysis The child walked badly less perhaps on account of her split pelvis than of the e posed bladder wall and the tenderness of the skin around even contact with her clothes causing her pain Her general condition was poor and the benefits of the operation as regards her general health were astonishing There was nothing in the appearance of the rest of her body or in her general mental cond tion to suggest any sexual abnormality besond the physical deformity she was a normal child of tacke

of their states and the states are states and the states are
to be diff cult

If bowerer it is propos d to do a transperitorical
operation a buttonhole in the peritonicum is not a
matter of any vital importance. Bhough it is a
distinct ad aniage to reta n it matter. If has be
distinct ad aniage to reta n it matter.

If has be
unded f : the purpose of abutton of a general
peritoneal c vity without product g a unnecessary
moment of addensions between the coils of the small
i testine. When about half the bladder had been
addescredup the peritone ms del berna if y pencil
ad the steet es. or if by packed
the steet is the propose of a product of the result of the steet of the product of the steet of the product of the result of the steet of the product of the result of the steet of the product of the result of the steet of the product of the result of the steet of the product of the result of the steet of the product of the result of the steet of the product of the result of the steet of the s

taken not to injure the surser the position of which was rendered apparent by the catheter. The indicate which had been commenced above was then continued amount dhe whole peruphery of the bladder until this had been completely detached—no cutting being done until it was perfectly certain that the ureter sas well out of the way. It should be noticed that in these cases the relationship of the parts differs from the normal the uretence opening is to all intents and purposes on the anterior abdominal wall and hence the ureters are much more superficial than usual. In this case they lay along the horm of the true pelvus as far forward as the free anterior ends of the bone.

When the bladder had been detached all around a certain amount of the wall was chipped away, until a thick broad fusiform area was left attached to the pelvis by a broad stalk of tissue containing the ureters. This was separated from the pelvic wall just sufficiently to allow of its being turned over so that the mucous membrane looked towards the sacrum. This part of the operation must be carefully done its object being to detach the contents of the pelvis from the pelvic wall as little as possible. It is certainly possible to retain the vascu larity of the stump of the bladder and therefore probable that provided sufficient care is taken the nervous connections may be retained to a certain degree also A great amount of separation is not required It is not so much a question of carrying back the bladder to the bowel as of bringing a mobile portion of the bowel forward to the bladder. It is just this point in which the transperitoneal method has its great advantage allowing the surgeon to employ the mobile peritoneum-covered pelvic colon

rather than the more fixed retroperatoneal rectum
In the present case the part of the bladder which was anastomosed was uncovered by perstoneum except for a small area about half an inch square Here the pentoneum was retained in position but proved of no particular service in the anastomosis At this stage of the operation the ureteral stalk was separated into two so that the wall of the colon could be statched over the amplanted area of the bladde between the two ureters but this proved impracticable and unnecessary a d therefore might better have been omitted. The next stage was to perform the anastomosis proper This was carried out on the lines of a gastro-enterostomy The pelvic colon was brought out and clamped so as to he transversely across the wound packing ber g arranged around it to catch any contents that might escape An incision was then made through the muscular coat of the bowel exposure but not cutting through the mucous membrane lower edge of this incision was then carefully stitched to the muscular part of the stump of the bladder When this row of sutures was complete the bowel was opened the catheters were removed, and the mucous membrane of the bladder sewn to that of the colon the anastomous was then completed by suture of the bladder w Il to the upper margin of

the incision through the colon. The peritoneal flap which was produced by the detachment of the upper (umbilical) segment of the bladder was then tucked back over the small intestine and behind the anastomous and a drainage tube was inserted down to the bottom of Douglas s pouch. Two stout silk worm-gut sutures were then passed through the fibrour margins of the opening in the abdominal wall and left loose. The wound was then packed with cynible gause.

The patient bore the operation well and although she was far from robust at no time during the course of the case was there any cause for anxiety There was no leakage from the anastomosis and the tube in Douglas's pouch was removed a few days later and left out. The wound from its nature could not be considered asertic but such free dramage had been provided that there were no constitutional symptoms of sepsis The temperature for the first fortnight never rose above 99 4 and there was no sloughing of the wound, which granulated well but slowly The anastomosis did not leak in the least and receded into the depths of the wound leaving a cavity which ultimately filled up Six days after the operation when the risk of septic complications seemed to be past gas was administered and the two loose statches were tied thus reducing the size of the wound very considerably

The subsequent progress of the wound was un eventful and the patient was able to leave the hospital seven weeks after the operation with one or two areas about 1 mm square still unhealed. It was unfortunate that she could not be detained for further observation but the nature of her parents employment necessitated their return to South America and her general condition was so good that it was not considered justifiable to insist upon her staying in London. Her health and comfort im proved from the day of the operation although she still showed an instinctive terror of being touched and it was some time before she could forget the soreness and tenderness The small ares of mucous membrane representing the vagina remained sensi tive although not tender and the author thinks it would have been better to have removed it en tirely since at the operation no uterus seemed to be present Control was perfect from the first a mixture of faces and urine passing every three or four hours

At fars she was disturbed through the night but she soon accommodated hereid to her new conditions and remained conflortable nearly every might she had a shigh statisk of pyrena a month after the operation but nothing was found in the urine to operation but nothing was found in the urine to operation but nothing was found in the urine to operation but nothing was found in few armost of faces. To wards the end of her stay in the product of faces are supported by the stay of the product of the stay in the s

As these cases are very rare Edmunds offers the following suggestions

That plastic operations designed merely to reconstruct the bladder are unsatisfactory since at the very best they only afford partial relief and that transplantation of the ureters is preferable.

2 That transplantation of the base of the bladder is better than the separate transplantation of the ureters because it is easier to perform and on theoretical grounds is less likely to lead to an ascending infection.

3 That this is done better by an intrapentoneal than by an extrapentoneal route inasmuch as it is possible to perform the operation with less interference with the vascular supply of the bladder stump and to utilize a mobile portion of the bowel

stump and to utuse a monie portion of the bowel

4. That inasmuch as most of these cases due of
pelvic cellulatis the wound should be left freely
open A herna may be developed, but this can be
dealt with later by an aseptic operation or may be
controlled efficiently with an apparatus

David V C: A Bacteriological Study of Fifty Cases of Non Tuberculous Diseases of the Bladder and Ridney S or Gyme 6 Obst. 1014 xvu 43 By Surg Gyme. & Obst.

H A MOORE.

The cases studied include 7 cases of chronic cyst titis 1 of prospherois, to urinary calcula and a vetal titis 2 of prospherois, to urinary calcula and a vetal research in 6 per center the cases but in paper culture in only 30 per cent. Staphylococci were present in 63 per cent of the cases and no two strains were identical in cultural characteristics. One case presented the manual combination of pseudodiphthems bandus erreprosocras and pneumo cases and 1 a snatrobes were foolst and in cases. 4

times an pure culture and twice as the prevailing organism.

An amagnoble black pigmented gram negative bacilities was soluted in a cases. If grew only obblood media and un most respects corresponded to the schwartzen farbitofibildencer bacillos described by Heyde which is soluted from the appendix.

Anaerobic gram negative influenza like beciliwere isolated in cases twice in pure cultiure. These bacili grew only on blood metia with a scarrely visible growth and were non harmoly; or legicted into the renal pelvis of inbits they caused death in 24 hours but no macroscopic evidence of ovelish or cystilis was present.

Other androbes were isolated as follows Staphy lococcus parvulus a hitherto undescribed grampositive staphylococcus funduliforms and grampositive staphylococcus

Heitz Boyer M Endoscopic Treatment of Tuber culcules of the Endoter by High Frequency Currents (Truntent to doccoping the is t berculose véscale par les cours t de ha t fréquency J d' m' 194 55 by Journal de Lhamps.

The author h s previously described the use of the buch frequency current in the form of spath.

ducharges for the treatment of tumous of the high der and is now applying it to the treatment of tubercular issons of the bladder particularly to tubercular uterations persuiting after epiperecionsy in cases where the tubercular uteration has already tumed the bladder will and perforation is to be the performance of the perforance of the pertune by electrocage largest and perforance of the performance of the perforance of the pertune by electrocage largest and perforance of the uniform to an angel of a least re- or avoid to the performance of the performance of the perturbation and an agent of at least re- or avoid to

The operation may be very painful and necess tate local or even general anesthess. There is a violent reaction in the area treated with the production of an exberant dirty white membrase which recalls the appearance of certain gangerous villous tumors in process of elimination. This membrane is discharged little by little at the same time that a new epithelium is forming to cover the denuded surface. Compilet contraction requires four weight on an average the nume clears up and four weight on an average the nume clears up and ment may be applied to persistent granulations with ment may be applied to persistent granulations with

Hyman A.: The Normal Hadder and Its Sphineters and the Changes following Suprapuble Prostatectomy A Surg Phila, 94 hr 544 By Surg Gyace & Obt.

Incontinence of urme following prostatectomy is encountered infrequently very rarely after a prapubic enucleation, but is more often met with after the perines! operation The cause of this condition has not been definitely determined. The object of this study is to inquire into the mechanism of urmation following suprapubic prostatectomy and to note the changes in the topography of the bladder resulting from this operation. Although individual opinions vary it appears to the author that Leed ham and Greene present the best summary of the standard anatomists. They describe three constrictor muscles the smooth muscle involuntary internal vesical sphincter and the striated vo unt ry compressor weethere but it is well recognized that but two of these muscles are of importance in

the set of mucturit on.
The contour of the normal bladder has long been
the subject of much discussion. In 1903, a new
method of attudying the form of the bladder wa
derused by Volcker and Luchtmhere They onraphy and as a result of their work concluded that
the normal bladder when datended as invariably
broader above than below and is never road.
Subsequently Leedham and Greene using the same
technique, reported that the raddographs obtained
technique reported that the raddographs obtained
method of V lcker and Licht berg—collarge
the best physiological method of studying the
much discussed questions and conclusions reached
by the spiperstead of the studying the
proposed of the proposed of the studying the
proposed of the studying the

in accordance with the work of Volcker and Lichten He began his radiographic studies two years In the beginning three different positions were tried the ventrodorsal - patient lying flat on back the dorsoventral - patient on abdomen and the lateral The lateral views were very unsatisfactory away to the density of the muscular and bony structures of the pelvis. The dorsoventral and ventrodorsal gave practically the same results and the latter the ventrodorsal position because more convenient was adopted as a routine The position of the X ray tube is of considerable importance. The earlier radiographs were taken with the tube placed posterior and obliquely to a vertical plane passing through the symphysis pubis.
It was found, however that this position failed to give a good view of the outlet of the bladder Sub seppently therefore the tube was placed so that its focus was at a right angle to the plate the rays striking the body just above the symphysis compression blend was used moderate compression being applied however so as not to disturb the bladder The medium used was a 5 per cent solu tion of collargol which in the large majority of cases was found to be non strituting. The solution was introduced through a catheter which was then with

Twelve radiographic exposures of normal bladders were made and as the main object was the study of the sphincter region the bladders were fully dis-

The shape of the normal bladder was found to be wrankle although the type most frequently en countered was that showing a broad upper portion narrow ang down toward the outlet. In the radiographs the urethra was invanishly found to be anaptly demarcated from the bladder thus demon straing that the internal vessoal sphuncter is the music that retains fluid in the distended bladder. The position of the internal sphi cier was either on alred with the upper border of the symphysis pulse or midway between the upper and lower borders. The following conclusions are drawn by the

auth r

The internal vesical sphincter is the true
sphinct of the normal bladder and of the bladder

in prostatic nlargement

2 The external vesical sphincter compressor
urethrae is the functionating sphincter after sup a
pubic prostatectomy in the large majority of cases

Packard H. Eversion of Bladder A S g Phila 9 4 h 555 By S rg Gynec & Obst

H A MOORE

The author reports the case of a young woman ry en old who was the subject of a crummal assault when four years old and who suffered at th tune extensive prive, iscerations. When she presented herself to the author she had complete groupse of the uterus in decression of the bladder An \ as hotograph showed an ent e absence of the public arch. That this was not congental was

proved by the fact the patient was normal as a cludd before the assault. The entire bladder wall was dissected out and the unteres implanted into the vagina and then through an abdominal increase faction of the uteries was effected by entanging the fundus with the recti muscles. This was followed by a good recovery and relief of the many distressing symptoms with the exception of unnary incontinence. H Savrona

Bangs, L. B : Cicatrix of Bladder Relieved by Ful guration Hed Rec 1914, law 6 9 By Surg Gynec & Obst.

The author reported an interesting case of obstruction following surpraphes prostatectomy which was relieved by Indiguration. About eight months following operation the case was referred for examination. The patient worded turbid urns in a dripping manner. Five ounces of purulent residual urnse were obtained Cystoscopy reviseled a transverse centracia band with bulging lateral folds just within the internal onfice. As operation was refused fulguration was advised Four applications were made internal a group through the modified of the band and reducing the residual transe to sa drams. Relief was left after the second application.

O'Neil R F : A Cas of Incrusted Cystitis Show ing End-Result T Am Ars G U Surgeons Stockbridge, 9 4 M y By Surg Gynec & Obst.

The patient was a woman of 29 who entered the hospital in 1806 for the robel of harmstura vesseal tenesmus and unnary pain and frequency of ax months duration. The trouble began about a month after dehvery. She had passed clots with gravel.

Examination of the bladder under ether showed a large sloughing area on the tingone and other smaller ones Calcarcous patches could be felt with the finger. The areas were curetted improvement followed the operation.

Ehe was next seen in 1974 eighteen years after operation when she came to proper and other she came to a document symptoms this strict, having no connection with her gento-unnary that the control of the control was made at that time however the document of the control of the

The patient states that following her d scharge from the hospital in 1896 she suffered from a recurrence f her bladder styrons with the discharge of blood and calcurrous masses for a period of four years at times the attacks being nearly as had as that at the time she entered the hospital. The condition gradually improved and disappeared under local treatment and she has had no treatment for the past ten years At present there is neither pain nor noctura.

From the chuncal bastory and operative findings thus care a reliculty one of incrusted epistuin the point of interest being that a severe process could persist in the bladder for so long a time terminate in recovery and leave little or no permanent disability. Also that during this time infection of the kidneys did not occur at least to no permanent degree either by way of the virteers or the lymnistics.

Squier J B Rectovesical Echinococcus Cyst
A Surg Fhila 9 4 hx 306
By Surg Gynet, & Obst.

The author had a case which came to him with a diagnosis of enormous vesical calculus. The chief complaints were frequency of urnation intense pain in the penis and a tumor in the hypogastrium The tumor appeared to be a greatly distended bladder Cystoscopy was impossible. There were six ounces of residual urine Cystotomy showed multiple echinococcus cysts coming from the bladder The bladder was drained At a second operation another cyst which was found adherent to the under surface of the liver was removed. At a third operation the bladder was more freely opened. In the region of the trigone there was an opening as large as a half dollar which communicated with what was evidently the mother cyst, between the rectum and the bladder A penneal opening was made into this cyst and the cyst cauterized with carbolic acid. The suprapulic bladder opening was closed and the recovery was uneventful R S BARRYGER.

Judd E. S: Non Papillary Benign Tumors of the Bladder J La cd 9 4 xx v 88 By Surg Gynec. & Obst.

The author reports two cases of non papillary being tumons of the bladder. Both pattents had all the characteraite symptoms of bladder tumor The author states however and trues to establish the fact as a differential diagnostic pount that the homorrhage in these cases was sharper and more severe than is usual in papillary bladder tumors Both cases were perized upon supraphenally The statistical freque cy of the tumors was one and two-tenths per cent Microscopically they were composed of smooth muscle fibers and fibrous connective taxes

Gehrels, F The Endovesical Treatment of Papil lomata of th Bladder by High Frequency Currents A trains M Gar, 9 4 xxx 202 By Surg Gyarc. & Obst.

The author describes the principle of Beer' treatment as the publication of the high frequency current or rathe the Oudin current in the interior of the bladd r directly to the capillom. The

difference in Beer's treatment from the ordinary indignation treatment consists in the fact that the electrode is applied directly to the papilloms and under water. Beer avoids producing parisk and effects coagulation of the insue but no cantenation. By applying a current of varying strength for a greater or less period of time a coagulation and necrosis of the papilloms as effected, and after some necrosis of the papilloms are parts are cast of The treat more in dome multy in several seasons, always notice control of the pro-

The author after describing Beer's method a th the high frequency machine and Oudin resonate and the method with the disthermic machine used chiefly by German surgeons describes in detail his own methods as follows The diathermic apparatus is connected with the current collector is connected with a ro to 6 inch indifferent electrode that will be applied to the abdomen above the symphysis the cathode is connected to the high frequency sound that has the shape of a preteral catheter of No. T F with a platinum tip He regulates the strength of the current by trying the sound on a piece of raw meat For introducing the sound an ordinary indirect eathetensing cysto scope is used. The urethra and bladder of the patient are angethetized by 5 dr of a 3 per cept solution of alvon adding to drops supracenus, applied for 5 to 10 minutes Then the bladder is washed with oxycyanate of mercury 1 5000, and filled with 5 oz of distilled water. After introduction of the high frequency sound it is led too ards the growth and between its villous processes

The current is turned on for 15 to 30 seconds and this procedure repeated on different spots until the whole surface of the growth appears necrotic The time of application is shortened the nearer the pedicle is approached in order to avoid injuring the bladder wall The time required for one session is three to five minutes The treatment is repeated every eight days and continued until the whole The eschars are allowed to fall growth is necrotic The eschars are allowed to fall off by the mselves Where only the pedicle i left it is treated in the same manner Where the cur rent is applied the tissue becomes white Sparks re rarely seen Only a slight formation of gas takes place Pam is experienced only if the bladder wall is touched and this is a warning sign. Should bleeding occur the application of the current will The necrotic parts are mostly cast off in one stop t The necrotic parts are mostly care recom-week Rest, bland diet and urotropine are recommended during treatment During the first month the bladde is washed with a 2 t 5 per cent solution of resorcin every two weeks to prevent rec rence. The advantages of this endovesical treatment are

aumanned by the autho as I llows. It at easily done and hospitalization as not reason in a less, and under control of the eye "carly all papillomat can be attacked There as the important hemostatic effect. The dangers see a naught. It has high adva t go over cystosom and resection of the bladder. The mortality as

cystotomy is 2 to 10 per cent and repeated opera tions for recurrences may be necessary The lead ing surgeons of Europe and America are using this treatment and report favorably

The indications for treatment are tabulated as r Papillomata chinically benign not exceeding the size of a walnut

2 Recurrences of papillomata

3 H. bladder Hæmorrhages of malignant growths of the

The article closes with a differential diagnosis between benign and malignant forms of bladder tumors H J POLKEY

Viko, E Surgical Treatment of Urethrorectal Fistulæ J Am M Ass g 4 bu 083 By Surg Gyacc & Obst Viko says that present methods of operation for

urethrorectal fistulæ result successfully in only 25 per cent of cases The operation described by him consists in dissecting down to and around the fistulous tract between the rectum and urethra The tract is tied like a blood vessel close to the rectum and divided A purse string suture is then placed around the fistula close to the urethra the ends of the suture bei g left long Several flaps are then dissected loose alternately on each side of the ligated utethral end and stitched in place one on top of the other each suture line being located at a different plane The long ends of the urethral tie are drawn through the center of the first flap and tied before the flap is stitched into place The rectal tie is buried by two or three pleats of rectal wall. After building up this com paratively thick layer of tissue between the urethra and the rectum the latter is partly twisted and a sound part sutured to the layers of urethral flaps

The author claims that this method of repar of urethrorectal fistulæ is very satisfactory but gives no data as to the number of cases on which

it has been performed or the percentage of cure J D BA EY

GENITAL ORGANS

Grimm C E A Case of Double Cryptorchidism. By Surg Gynec & Obst.

The author describes a case of bilateral crypt orchidism with surgical technique. He advises operation before puberty to minimize dangers of herms and defective o malignant development. On the left side he employed the usual technique (Bevan) of incision and exposure a d found the testis had slipped into a blind pouch through the roof of the canal affording a cord of sufficient length to allow the organ to be placed in the scrotum a d retained there by merely contracting the neck of the scrotum by a purse string uture On the right s de the testis was found at the in ternal ring necess tating section of all structures except the vas artery to vas and permat cartery

to afford a cord of sufficient length. Primary union resulted with a retraction of the right testis only and that only as far as the external ring

Grimm is louth to cut spermatic arteries be cause of experimental evidence adduced by Moschowitz showing degenerative changes in the testeswith resected spermatic arteries. He approves of Davison's technique which makes it possible with out section of the spermatic artery to secure greater cord length by dissection of these structures out of the abdominal wall freeing enough of the same to insure adequate length. The epigastric artery having been protected by a double ligature and the posterior wall of the canal having been incised the vas is located and freed at the internal margin of the wound and the spermatic artery located and freed along the external edge of the cut transver salıs fascıa

The tests is sutured to the bottom of the sac and the suture passed externally and a fast loop made to afford a fastening for traction from without To this suture loop is fastened a thin rubber band the distal end of which is fixed by adhesive plaster to the thigh giving the proper amount of traction It is of course necessary to immobilize the thigh by aster or starch dressing Closure of the wound follows the usual principles of hermotomy LOUIS L TENBRORCE.

Lillenthal H : Prostatectomy in a General Surgical Practice Ass S g Phila 9 4 hx 373 By Surg Cynec & Obst

Basing his conclusions on the records of 80 prostatectomies the author presents a strong case in favor of the two-stage operation and gives a com prehen we chart summary of all the cases with histories of 13 illustrative cases Because of its many advantages he considers the suprapubic route the wisest especially for the general surgeon and follows this procedure in practically all of his cases He contends that suprapubic cystotomy should be the first step even though it may then appear best to proceed with enucleation from below. He does not perform cystoscopy as a general rule because he says it has some dangers and he can g t a better year of the bladder during operation Before the suprapular opening closes he inserts the cystoscope through the fistula and makes a careful inspection for bits of slough or loose tissue which might form nuclei for subsequent stone Three times he has observed calcula formation after prostatectomy

He performs none of the renal function tests because he considers that cystotomy is fully indi cated even with poor renal function of unne however is carefully noted The quantity

Most of the patients were badly nourished feeble old men average age 64 years with bardened arteries and diseased kidneys The series is not one of se-No one who applied for rel ef was refused the opportunity which surgery might hold

The first step of I thenthal a operation consists in

cutting down to the space of Ratanus under local ameraters: the bladder is detended with air and with two traction sutures through the bladder will the bladder is incased. The traction satures on each side of the wound in the bladder wall are in manger fast to the aponeurosis and a large tube placed in the bladder enucleation. The second step is performed 8 or o days after under general anaestics is with no instrument in the urethra and the finger of an assistant in the rectum pushing, up the prostate

In reviewing results in his non malignant prostatectomies the author Inde that in 37 cases in which the one-stage method was followed 7 or 10 x per cent thed while in 33 two stage prostatec tomies only x or 6 per cent died. The ages averaged the same

Among the 80 cases carcinoma was found in 7 and vesical calcult in 13 h to post-operative complications he lad 7 cases of epididy mits 1 case of acute septic testicle 5 cases of hamorrhage 3 of pneumonia and 3 of uramia. C. R. O'Cronter

Stevens A R Treatment of Certain Cases of Prostatic Obstruction by Cauterization by the High Frequency Current Am J Surgary 2014 x 31 01 By S rg Cynce & Obst

In some cases it is possible to destroy protestic tissue with the high frequency current the obstruction being this removed. The author has success fully treated a cases and sitempted to treat 2 more but the latter patients compalaned so hitterly after instrumental map unbatten that the treatment was discontinued after the first sitting. Intolerance to the cystocope after good local auvesthesa may become a contra indication and turn the tide in layor of increasing.

The method is not suitable for large hypertroph es, but is good when a comparathey small portion of prostate tessue causes a marked obstraction for my also afford partial relief in the other types of hypertrophy when operation is positively relused with the Ouden type of current a single causeration is not steep and progress is much slower in destroying prostate tissue than it would be with a psylloma of the bladder Three cases are reported

Col A. P Kidney Function Estimation in Preparation of Patients for Prostatectomy La cal-Cl # 9 4 cz 466 By 5 rg Grace & Obst

The author emphasizes th value and explains the use of factonal tests is a total gauging and in the preparation [patients for prostatetomy Two tests are consided to a pable of gring all the necessity information an est mation of the blood constant of the constant of th

The 1 terpretation of the phthalein test depends

upon comparative exadings In exact case. A marshed decrease in the exerction of the dye invariably means severe decrangement and repeated tests will demonstrate whether this is permanent or temporary. Lowering of is loney function from prolonged back pressure secretary metallicities of draining the production of the contraction of draining the contraction of draining the contraction of draining the contraction of the contractio

of an rupend sq urgenia.

A careful chineci sis ily of the case particularly
with respect to acute renal infections as of equal
importance in estimating a surgical risk. No case
with an acute pyelonephritis shoul! be submitted
to operation even in the presence of a high philaican. The author gives a very good review of the
methods in use in prificin any treatment and in the

estimation of the risk of operation.

Pilcher P.M. Transvesical Prostatectomy in Two Stages. As 5 g Phila. q 4 ht 300 By ung Gynec, & Obst.

In this article which is the result of the authors personal experience he states that his study of the pathology of chronic prostatism leads him to disagree with the theory of Tandler and Zuckerlandl that prostatic hypertrophy is always by pertrophy of the anatomical middle lobe. He believes that the two lateral lobes and the median lobe are usually invol ed and that maximuch as the obstruction is at the neck of the bladd r and projects into the bladder the n tural a caue of approach is the transvesical route. He advocated the technique of a two-stage transvesical operation in every in stance for the relief of beingn hypertrophy of the prostate for the reason th t as a result of rel eyi g the distention of the bladder three phases of kidney secretion are demonstrable and during the second phase lasting from a few days to number of nicks a period of danger occurs during h h no surgical attack should be undertak

The author performs a preliminary cystest my for the reason that folio ing supraptice, quiestiony the patient is out of bed in twenty four hours the unarry output from the bladde is completely controlled by an appearance which he indicates the no unpleasances or the controlled by an appearance which he indicates there is no unpleasance of the controlled the unitary and the operation of train encal prostateriomy is already half completed.

The author reports t date 3 success ve successful cases in a shich be has followed than use of treatment every case result ag in the control of urine by the patient and his ab hit to compty the bladder is host the use of a cathet r II does not apply the changue to known of suspected cases if carcinoms of the prostate H I. Savenous

SURGERY OF THE EYE AND EAR

EYE

Credé-Horder Prevention of Gonorrhoral Ophthal mi (Warum konnte die Blennorrhoe nicht abneh men) Zentralbl f Gynāk 1914 xxxvni, 116 By Zentralbl f d ges Gynak u Geburtsh s d Grenzgeh

The author directed a series of questions to lying in hosp tals and university gynecological clinics to determine the following points

Whether there is any permanent injury to the child s eyes from the use of a prophylactic solution for ophthalma The answer in all cases was no

What prophylactic is the best? The answer was generally silver nitrate sometimes silver acetate and sophol
3 Whether it is advisable to make prophylactic

treatment compulsory and punish neglect of it by law Among or gynecologists as favored compul

sory prophylaxis 20 were directly opposed to it and 6 undecided Among 20 directors of university chaics 8 were in favor of t 10 opposed and 2 un decided while all of them were in favor of prophy

Among 110 ophthalmologists 70 favored compulsory carry: g out of Credes prophylans 15 were undecided of 17 professors of ophthalmology 13 were u conditionally n favor of it a conditionally in favor of it, and only 2 opposed to it. While the morbidity is growing constantly less in hospitals outside of them large numbers of infants still have gonorrhoeal ophthalmia so that new methods of prophylaxis must be established MORALLER

Elliot R II Henderson E. E Fleming, A and Others D scuss on on the Use of Salvarsan in Ophthalmic Practice Proc Roy Soc Hed 9 4 Sect Oph & 98 By Surg Gyac. & Obst.

From a side experience with opportunity for careful observation ELLIOT brought his conclusions in regard to the use of salvarsan in ophthalmic First in elation to optic atrophy he said h had never observed a case following the use of salvarsan and a carefully collected reports from the other Indian hospital n t one was recorded in fact cases showing an atrophy of syphilitic origin reacted excellently to the drug Second that the best results were blamed by intravenous injection of 0 30 gm to 150 lbs body weight repeated only until Wassermann became negative. In addition mercurials and sodides were also used. Third that Third that best results were obtained in recent uveal inflamma tion Muscular palsies reacted well W th tabetic cases a d heredosyphilit c interstitud kerat tis results were disappoint ng Fourth he referred to the oranion of Giff rd that the results of sal arean in

sympathetic ophthalmitis added a link to the evidence in favor of the protozoic origin of this disease.

HEYDERSOY read notes of two cases of late infec tion after cataract extraction in which recovery was rapid after the use of neosalvarsan

FLEMING stated that at St Mary's Hospital there had not been a case of injury to the optic nerve observed

Browythe said that in some cases of undoubted sympathetic disease the increase in large mononu clears was not noted

Lang emphasized the variation in the mononu clear count in children especially under three years of age and the fact that care must be used in draw ing conclusions from the blood picture for this EARLE B FOWLER reason

Lang W Case of Sympathetic Ophthalmia from Which a Secondary Cataract had been Removed after the Admini tration of Salvar aan Proc Roy Soc Hed 19 4 v Sed Ophik 95 By Surg Gynec. & Obst.

The author reports a case in a male 46 years of age to which an eye damaged by a gun shot was removed fourteen days after the injury Initis began in the previously sound eye fifteen days later four weeks after the injury and though quiet at the end of four months vision continued to decrease Two years later there was good light perception

but defective projection no ciliary injection iris vascular not atrophic and adherent to a pupillary membrane on the capsule of the cataractus lens Two intravenous injections of salvarsan 0.5 gm were given 3 weeks apart with no general and shight local reaction Five months after this, as the vascularization of the ins was reduced and the eve was less urntable the cataract was extracted and still later an indectomy done leaving a clear pupil and a vision of 55/24

In the discussion Parsovs expressed his opinion that sympathetic ophthalmit s was a general infection as shown by the action of the salvarsan and the deviation of the blood picture from the normal FISHER spoke of two cases in which the blood picture indicated the disease one before the appear ance of other symptoms EARLE B FOWLER

Lawford J B Case of Se ere Post Operative Plastic Iridocyclitia Treated by Neonalvaraan Proc Roy See Med 9 4 vn Sect Ophth 97 By Surg Oynec, & Obst.

The author reports a case of plastic littis coming on after a cataract extraction in a min 68 years old. Recovery was rapid after o 9 gm of neosalvarsan

cutting down to the space of Ratmus under local amasthesis the bladder is diltereded with at and with two traction sutairs through the bladder will the bladder is moused. The traction sutures on each side of the wound in the bladder wall are then made fast to the aponeurous and a large the placed in the bladder enucleation. The second step is performed 8 or 9 days later under general assembles with no unstrument in the urchin and the fager of an assessant in the second

assistant in the rectum pushing up the prostate.

In reviewing results in his nos malignant prostatectomies the author finds that in 37 cases in which the one-stage method was followed, 7 or 16 2 per cent, duel while in 31 the stage prostate:

tomies only 2 or 6 per cent died. The ages averaged the same

Among the 80 cases carcinoms was found in 7 and vesucal calculi in 13. As to post-operative complications he had 7 cases of epidolymuis. 1 case of acute septic testicle 5 cases of hamorrhage 3 of pneu monus and 3 of unemia C. R. O'Ckowier

Stevens A R Treatment of Certain Case of Prostnic Obstruction by Cauterization by the High Frequency Current. Am J Surg 1914 XXVII, 03 By Surg Grace & Obst.

In some cases it is possible to destroy ponentic tissue with the high frequency current the obstruction being thus removed. The author has successfully treated a cases and attempted to treat *e more but the latter patients complained so betterly after particumental manupulation that the treatment was discontinued after the first sitting Intolerance to the cytotocope after good local sanesthesis may become a contra indication and turn the tide in layor of operation.

The method is not suitable for large hypertrophies, but is good when a comparatively small position of prostatic tissue causes a marked obstruction of prostatic tissue causes a marked obstruction of the marked properties of hypertrophy when operation is positively refused With the Ouden type of current a snaple causens tion is not deep and progress is much slower in dectroying prostatic tissue than it would be with a papilloma of the bladder. Three cases are reported.

Cole A P Kidney Function Estimation in Preparation of Patients for Prostatect my Lascet C 1914 cm 466 By Surg Gynec & Obst

The author emphasizes the value and explains the use of functional fests in estimating surgical risks in the preparation of patients for prost tectomy. The tests are considered capable of groung all the necessity information an estimation of the blood urea and repeated obtained and of the blood control of the control of

The interpretation of the phthalein test depends

upon comparative readings in each case. A marked decrease in the exerction of the dy invariably means severe detangement and repeated test will demonstrate whether this a proposed to the potential proposed to the propose

A careful clinical study of the case particularly with respect to acute renal infections is of equal importance in estimating a surgical risk. No case with an acute pyelonephritus should be submitted to operation even in the presence of a high phthalein. The author gives a very good rev is of the methods in use in prehumbary treatment and in the

estimation of the risk of operation

Frank Hysian

Pilcher P M : Transvesical Prostatectomy in Two Stages A * S g Phila 19 4 h , 500 By Surg Gynec & Obst.

In this article, which is the result of the author's personal experience he states that his study of the pathology of chronic prostatism leads him to dis agree with the theory of Tandler and Zuckerkandl that prostatic hypertrophy is always hypertrophy of the anatomical middle lobe. He believes that the two lateral lobes and the median lobe are usually involved and that inasmuch as the obstruction is at the neck of the bladder and projects into the bladder the natural avenue of approach is the transvesical route. He advocated the technique of a two stage transvesical operation in every instance for the relief of benign hypertrophy of the prostate for the reason that as a result of releving the distention of the bladder three phases of Lidney secretion are demonstrable and during the second phase lasting from a few days to a number of weeks a period of danger occurs during which no surgical attack should be undertaken

The author perform a prelaminary cyatostomy for the reason that following suprapulacy cyatostomy the patient is out of bed in twenty four hours the urmany output from the bladder is completely controlled by an apparatus which it illustrates there is no unpleasantine s or traumatism due to the passage of the cathete through the urethra and the operation of transvessical protestectomy is

already half completed

The author reports to date Successis successful cases in which he has followed that line of treatment every case re ulting in the control of urine by the patient and his ability to empty the bladder subbott the use of a catheter. He does not sply this technique to known suspected cases of carcinoma of the prostate.

SURGERY OF THE EYE AND EAR

RYE

Crede-Horder: Prevention of Gonorrhocal Ophthal
mia (W rum konnte die Biemorrhoe nicht abuekme \ Zerteil f Gondk old Kkriti 6

me) Zentralbi f Gyndk, 914 xxxviii 6 By Zentralbi f d ges Gynak u Geburtsh s d Grenzgeb The author directed a series of questions to lying in hospitals and university gynecological clinics to

in hospitals and university gynecological clinics to determine the following points Whether there is any permanent injury to the child a eyes from the use of a prophylactic solution

for ophthalmia The answer in all cases was no
2 What prophylactic is the best? The answer
was generally silver nitrate sometimes silver acetate

and sophol

3 Whether it is advasable to make prophylactic treatment compulsory and pumsh neglect of it by law Among 51 gynecologists 25 favored compul sory prophylasis 20 were directly opposed to it and 6 undecided Among 20 directors of university clause 8 were in favor of it to opposed and 2 un decided while all of them were in favor of prophy laws.

Among 110 ophthalmologats 79 favored compute sory carrying out of Credes prophylaxas 15 were undexcled of 17 professors of ophthalmology 13 were unconditionally in favor of it 2 conditionally in favor of it and only 2 opposed to it. While the methadty as grown geometrially less in hospitals gonorineal ophthalms so that new methods of prophylaxas must be established. Monaliza,

Elliot R II Henderson E. E. Fleming A and Others Discussion on the Use of Salvarsan in Ophthalmic Pra tce Poc Roy Soc Ued 94 'n Sect Ophth 98 By Surg Gynec & Obst

From a wid experience with opportunity for careful observation ELLIOT brought his conclusions in egard to the use of salvarsan in ophthalmic practice First in r lation to optic atrophy he said he had never observed a case follow g the use of salv rean and a carefully collected reports from the other I dian hosp tal not one was recorded in fact cases sho ing an atrophy of syphilitic origin reacted e cellently to th drug Second that the best results were obtained by intravenous injection of 0 to gm to 150 lb body weight repeated only until Wassermann became negat e In addition, mercurials and iodides were also used. Third that best results were obtained in recent us eal inflamma t on Muscula palsies reacted well With tabetic cases and heredosophil to interstitival Lerat tis results were disappo ning Fourth he referred to the opinion of Gifford that the results of salvarsan in

sympathetic ophthalmitis added a link to the evidence in favor of the protozoic origin of this disease.

HENDERSOV read notes of two cases of late infection after cataract extraction in which recovery

was rapid after the use of neosalvarsan
Frantuc stated that at St Mary s Hospital there
had not been a case of injury to the optic nerve observed

BROWNING said that in some cases of undoubted sympathetic disease the increase in large mononu clears was not noted

LANG emphasized the variation in the mononu clear count in children especially under three years of age and the fact that care must be used in draw ing conclusions from the blood picture for this reason. Laur B Fowers

Lang, W Case of Sympathetic Ophthalmia, from Which a Secondary Cataract had been Removed after the Adm nistration of Salvar san Proc Roy See Med. 913 vn Sed Ophth 93 By Surg Cypec, & Obst.

The author reports a case in a male 46 years of age in which an eye damaged by a gui shot was removed fourteen days after the injury. Intis began in the previously sound eye fifteen days later four weeks after the injury and though quiet at the end of four months vision continued to decrease

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of \$5/24 In the discussion Parso's expressed his opinion. In the discussion Parso's expressed his opinion that sympathetic ophthalmutis was a general infection as shown by the action of the blood picture from the normal the deviation of the blood picture from the normal

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Lawford J B Case of Severe Post Operative P1 stic Iridoc; lit! Treated by Acosalvaraan Proc Roy See Med 9 4 Sect. Ophth 97 By Surg Oynec & Obst.

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The author reports a case of plastic inits coming on afte a cataract extraction in a man 63 years old.

and later a recurrence cleared immediately following a second dose the eye remaining quiet through further operative procedures Eagle B. Fowler.

EAR

Layton T B. Examination of the Internal Ear and Hind Brain by Stimulation of the Vestibu lar Nerve Cl J 914 xh 93 By Surg Gynec, & Obst

Layton bases this article upon observation of the work of Barany supplemented by conclusions from his own work with these tests He enumerates first the ways in which the vestibular nerve may be stimulated and the resultant phenomens, including the pointing and falling reactions which occur in the direction of the slow movement of the nystagmus

Barany believes that it is the cerebellum which

controls the coordination and it is stimuli passing

to this which govern the pointing and falling reac tions He beheves each set of muscles has a center in the cerebellum. On this theory a pointing error is evidence of disease of the cerebellar cortex or of the efferent fibers passing from it. There is reason to believe that the vermis is associated with movements of the trunk and the hemispheres with those of the limbs A brief epitome of the central connec tions of the vestibular nerve shows that they are numerous and far reaching. The author believes that the results of examination of the vestibular nerve is therefore valuable in diagnosis of nervous disease especially in suspected cerebellar tumor and that the method will be developed so as to aid EARLE B FORCES.

greatly in localization

McCall, Jr., J : Indications for Surgery of the Ethmold and Sphenoid Labyriath; with Report of Cases J India St M As 1914 vn, 148 By Surg Gynec & Obst.

The author divides the inflammatory diseases of the ethmoid and sphenoid into (r) Acute catarrial inflammation (s) acute suppurative inflammation (3) chronic catarrhal inflammation with hyperplasia (4) chronic suppurative inflammation and (3) chronic catarrhal inflammation with suppuration

The cases under the first two classes clear up under palliative treatment

The cases of the chronic type the author treats surgically by removal of the middle turbinate and extermination of the ethmoidal and sphenoidal labyrinth in order to obtain drainage and permit medication to reach the site of the diseased tissues

He cates the history of several cases illustrating the results obtained by treating these cases surpost ly in which he reheved not only the local massl and eve symptom but neurasthema stomach trouble

and dysmenorchagus

CLIVE gave it as his opinion that too many nasal conditions were treated surgically which would clear up under alterative and eliminative treatment

SPORN relieves many of these cases of ethmon inflammation by submucous resection of the septum and believes in doing as much surgery in the nose as is necessary to insure the patient against mouth breathing

PARKER urged that before and after all intranasal operations of any magnitude the refractive condition of the patient be thoroughly gone over ELLEY I PATIERSON

SURGERY OF THE NOSE, THROAT, AND MOUTH

THROAT

Bucher W M and Chamberlin W B Alcohol Injection in Tuberculous of the Larynx I i at M J 914 xx 1379 By Surg Gynec & Obst.

The gratifying results obtained in the relief of pain and dysphagia in laryngeal tuberculosis of the aryteno-englottic type with the ease of administering the treatment proves its great practicability

The technique is as follows. With the patient in a horizontal position in left size of the layer is grasped with the first and second fingered rich and and with the thirm had not fingered rich and the middle point of the third and the middle point of the third of the size of the si

Paterson D R: Three Cases of Foreign Body in the Bronchus, illustrating Points of Interest P oc Ray Soc Med 9 3 Laryngol Sect By Surg Gynec & Obst

By Surg Ginec & Obst
Paterson reports three cases of foreign body
punkish in color which color so nearly resembled the

mucosa that estraction proved difficult
TILLYM MARITINAT and HASTINGS each re
ported a case of sarrouns of the pasophatym treated
by in redumentations Each case was treated by in
seril g into the growth a tube conta mag from do
to 37 mg of radium brounds which was left in for
twenty four hours a th dusappearance of the growth
m a lew day. In the discussions which followed the
gen ral consensus of opinion was that the nearer the
militrating growth a approach the embryonic tissue
militrating growth a proposed the embryonic tissue
pen better than the control of the control
pen better than the control of the control
pen better than the control of the control
growth sooner or later.

Latrox reported two caves of bilateral abductor puralvass both of wh h gave posture Wa sermana rescution and improved under mixed treatment. If also reported a cave of subglottic sw lling of the laryna treated with sal stay which improved rapidly ob intime the necessity for immediate tracheotoms.

In the discussion which followed it was noted that salvarian in these acute obstructive laryngeal cases frequently works wonders as it relieves dyspinora immediately while on the contrary potassium iodice furn intraves dyspinora. ELLY I PATRISSON

Torek F: Laryngectomy Combined with Gastrostomy S g G; et & Obst 1914 X S15 By Surg Gynec & Obst.

The dangers undent to the feeding of a patient through a tube in the cooplagus after extensive laryngectomy especially if complicated by resection of the plarynt are nujury to the nuture line and infection of the situres. These are likely to be followed by infection of the whole neck wound separation of the trackeal stump aspiration of discharges and poeumonis.

To circumvent these dangers Torsk performed a Witzel gastrostomy efter completion of the laryn getomy and fed his patient through the gastine studia. Although the case was far advanced requiring not only the removal of the whole larynx and projection but also a rescrition of the anterior and projection but also a rescrition of the anterior after treatment was much amplified by the gastructistual feeding. The pharynx fistual colored four and one half weeks after operation and the patient was then ablt to apallow both fluid and solid food

The gastine fistula closed promptly. The addition of a gastinosismy to the extirpation of the larynx does not add materially to the severation as the laryngetionsy is done by Torck under local amesthesia. In advanced cases the dyspinear forbids operating under inhalation anaxithesia unless a preliminary tracheotomy is performed which however is preferably avoided in the interest of asepas. Novocanae one-half per cent with supriarenia is employed. Deep injections block the superior laryngeral nerves and anxistietuse the tissues about the tracket and larynx. Super ficial injections are made corresponding to the lines of access. The stump of the transversely divided must rached opening an unhalation skin Through this add to a to the technique will prove of good service in many difficult and extensive cases.

MOUTH

Sturgis, M. G. Mised-Cell Tumors of the Soft Paint S. g. Gyme & OS 1 914 436 By Surg. Gymec. & Obst

Mixed cell tumors while most commonly found in the salvary glands are occasionally found in other and later a recurrence cleared immediately following a second dose the eye remaining quiet through further operative procedures Easte B Fowler.

EAR

Layton T B Examination of the Internal Ear and Hind-Brain by Stimulation of the Vestibu Iar Nerve Cl J 9 4 2 9 By Surg Gynec. & Obst

Layton bases this struck upon observation of the work of Bärfany supplemented by conclusions from his own work with these tests. He enumerates first the ways in which the vestibular nerve may be stimulated and the resultant phenomena including the pointing and falling reactions, which occur in the direction of the slow movement of the ny stagonis. Bärfany believes that it is the cerebellium which

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Zentrolblatt für die gezamte Gynäkologie und Gebu Ishilfe zowie deren Gren gebiele O Beuttiner A Doderlein Ph Jung B. Kromg C Menge O Pankow E Runge E. Wertheim W Zangemeister placenta. He believes that by this method the interests of the child are better conserved without determent to the mother. Those who employ the diluting bag are careful not to use the largest size and to evert pressure gradually and with as sittle disturbance as possible. Some prefer to employ the bag before practicing combined version. The introduction of the bag is not always easy for those who are not accustomed to obsertire mampulations, and in unstellful bands the attempt may separate the placenta evten sitely and uncease between the

The results of the treatment of placenta previa by rupture of the membranes the use of the bag, and combined version without extraction are given by Couvelaire (4) as follows In 26s cases with a maternal mortality of 67 per cent and a

fortal mortality ranging from 44 to 66 per cent. In Zweifel schinc in 100 cases of placenta pravia Schweitzer (5) treated 30 cases by combined version with a maternal mortality of 38 per cent and a fortal mortality of 68 per cent. This was increased by the death of children a few days after delivery bringing the fortal

mortality to 87, 5 per cent

The intra annual use of the dilating bag was
practiced in 39 cases with a maternal mortably of
2 of per cent and a featal mortably of
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9 per cent.

Schweitzer in his paper has collected the mortality rate of tracks other clinics and find that in their experience placenta prævia has a mortality for the mother of from 5.3 to 10 per cent. In all clinics there is considerable maternal

morbidity Cringin to whom reference has already been made in 40 cases of placenta pre-via at the Sloan maternity had a maternal mortality of 8 r per cent with a feetal mortality of 3 p per cent

All observers agree that piacetta preva in requestly followed by post partom bleeding and that this may become fatal Some sould guard against this my the application of Month burgs bandage at the moment of delivery and others would rely upon intra uterine packing with nodolum or sterile gauser That Monthurg shandage may become a source of danger is emphasized by Valver (6). Aurus and albu months have followed its use and albu months have followed its use and server pain usually accompanies this method of treatment

In cases where but a portion of the placenta is over the internal os and dilatation proceed tapidly and uterine contractions require stimuts tion Trapl (7) and Hauch (8) and Meyer (4) have found benefit in the use of pitutina. Care must be taken that the cervix is dilated, or readily thintable and that the presenting part is

well in the pelvic cavity
Where cases of placenta price

Where cases of placenta prævia can be tranporter promptly to the hospital while in good condition and before efforts have been made by vaginal manipulation to check hæmorrhage er bring about delivery abdominal cresirens section offers the best chance for mother sud child

Sciplades (10) reports 3 successful cases, one of them terminating in supravaginal hysterectomy. Two of them had hiving children upon admission, and these children survived the operation in good condition.

Pankow (11) from the Freiburg chinc, reports 38 cases of placenta prievia treated by abdominal exsurean section with a maternal mortality of

2 5 per cent, and a factal mortality of 2 9 per cent Fehing (12) believes that where the certir is not dilated and the placenta prævia is central that abdominal cressrean section is indicated Zweifel at the same congress drew attention to the instant cression of harmorrhage following tells very by abdominal section

For hospital cases, with the mother in family good condition. Figs of (3) considers abdominal cessurem section the best method of treatment known (14) considers abdominal casarem section as the safest method of delivery for mother and child for patients transported to the hospital and in this opinion Sellhemi (15) concurred

The author has for several years employed abdominal existent section in cases of placents pries is brought to the hospital. His operations up to date number eighteen with no material mortality the foreil mortality from 40 to 50 per cent many cases being brought to the hopital exangunated the babies already dead

A fair comparison of the results of what may be termed the private house treatment of placenta press by repture of the membranes, the use of the distance by taking Couvelaire's statistics already given of a material mortality of 67 per cent and a fextal mortality of 48 to 65 per cent. When these results should be taken the substance of Herz (16) who report Bo care and a fextal mortality of 48 to 65 per cent. The substance of the fextal mortality of the substance of the fextal mortality of the membranes, distance the rupture of the membranes.

r hed from 40 to 60 per cent

When these results are compared with the results obtained by abdominal casarean section with a maternal mortality ranging from 2 5 per cent to nil and under favorable conditions a fortal mortality of 2 9 per cent the advantage of

prompt treatment by section becomes evident This question of the treatment of placenta prævia has a wider significance than the mere handling of this condition. The results obtained in complicated parturition will not be improved materially until such cases are considered of equal gravity with ectopic gestation, appendicitis ovarian tumor with twisted pedicle and other serious intra abdominal conditions. The latter cases are almost invariably taken to the hospital and the comparatively low mortality of these serious conditions under good treatment is acknowledged When complicated cases of par turition receive similar attention a decided im provement in mortality and morbidity must result Those who have had expenence in abdominal cuesarean section for placenta przevia have found that hæmorrhage ceases as soon as the uterus is emptied that the uterus contracts promptly and that intra utenne packing with 10 per cent 10doform gauze carried from above through the cervix and vagina is an efficient means of checking post partum harmorrhage and preventing relaxation. Simultaneou ly with delivery the patient may receive intravenous saline transfusion which acts as a powerful stimulant. These surgical advantages can scarcely be duplicated by methods which the

general practitioner can use in private houses Where the placenta is not central but extends upon the upper uterine segment infiltration of the uterine muscle with blood and necrobiosis may be present. In these cases if the uterine muscle be softened considerably it may be necessary to terminate the operation by supravaginal hysterectomy The causes for this condition are not clear but unquestionably autolysis is present and partial separation of the placenta has caused gradually the extensive infiltration with blood This condition must be kept in mind not only in dealing with partial placenta prævia but with accidental separation of the normally implanted placenta It is most important when it occurs in the upper expulsive segment as it may inter fere with permanent contraction of the uterus

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Ellett, E C 310	Lenche s6	Schlapobersky J P 298	Zweifel E 293
PROPER D. C. 310			

Mackennie G W: Th D seases of the Maxillary Sinus J Ophib Otol & Laryngol 1914 xt 190 By Surg Gynec & Obst

To obtain the best results in the treatment of diseases of the maxillary sinus it is frequently necessary to have the cooperation of the rhinologist and the dentist. This is especially true in acute maxillary sinusitis which may be endonasal or dental in origin also in osteomy el tis caries necrosis or foreign body in the antrum or dentigerous cysts all of which give rise to symptoms that prompt

the patient to seek the dentist In suspicious cases of inverted or unerupted teeth

the d agnosis should be determined by a straggaph ELLEY | PATTERSON

Dunning H S Some Surgical Conditions of the Jaw La jag nofe 9 4 5 5 0

By Surg Gynec & Obst

Fractures of the jaw epuli and dentigerous cysts are surgical cond tions frequently overlooked by the general surgeon as well as by the dental surgeon

True fractures of the upper law are rare but fractures of the lower jaw are very common and all are treated by means of wire cribs or rubber spl nts cemented to the teeth

Epuli occur most often in Tew sh women of middle age during pregnancy and are treated by thorough removal of the periosteum alveolar process and teeth invol ed

Dentinerous cysts are treated by removal of the sac and co tent and thorough curett ge of the FLEN J PATTERSON bony cavity

Cadwalader W B A Comparison of the Onset and Character of th Apoplexy Caused by Cerebral Harmorrhage and by Vascular Occlu sion J im M 1 g 4 km 385 By S rg Gyner & Obst

Spont neous int acerebral hamorrhages are ant to be large very small hemorrhages are rare seventy two spec mens examined only four meas ured less th n a cm n their broadest diameter It is cert in that large hamorrhages are always f tal and t is also crt in that small hamorrhages may be also and it even seems probable that hamorrhages are always fatal no matter whether

small or large When repeated attacks of apoplexy with hemiple gia occur in the same patient it different times the final or fatal attack may be due either to softening or to hamorrhage but the former non fatal attack is nvariably caused by vascular obstruction and softening and not by harmorrhage. Repeated at ta ks of intracerebral harmorrhage are not com pat ble with life

Small and moderate sized lesions within the brain generally described as cyst, are apt to be considered the result of vascular occlusion but a some in stances such lessons may be produced by hæmor rhage which has become healed. Their true origin some cases seems uncertain but they have been classified by the author as oftenings

The duration of life is generally longer with small hamorrhages than with large ones. Sudden death within a few minutes after the onset of apoplexy does not occur even though the lesson is a large one is remarkable that fairly large hamorrhages may not in all instances cause rapid death. Spiller has recorded a case in which a clot was found partly encapsulated and measured 7 by 25 cm yet the

patient lived almost two months The type of apoplexy produced by hamorrhage and by vascular obstruction is not of a distinctive kind. The onset and character of the apoplety may be exactly alike though the lesion is entirely different But a sudden onset with rapidly developing and persistent coma usually indicates hamorrhage A slow onset with premonitory symptoms without prolound come may be due to harmorrhage or to softening but the less severe the disturbance of consciousness the more likely that it is caused by softening and not by hamorrhage

Premonitory symptoms are not characteristic of the lesson as a general rule they are recorded in the milder types of apoplexy in which the onset is not

Slowly increasing loss of consciousness ending in profound come known as ingravescent apoplexy is

Renerally due to hamorrhage It is doubtful if hemorthage ever occurs without causing very distinct disturbances of consciousness but it is certain that many softenings do occur with out producing distinct apoplectic attacks Most non fatal cases of hemsplegia are caused by vascular occlusion and subsequent softening The mere fact

that life is preserved is in itself indicative of the absence of hæmorrhage The type of apoplexy probably depends more on

the size of the hamorrhage than its situation but with softening the rapidity with which the vessel is occluded may influence the rapidity of onset of the attack as well as the extent of the les on

EDWARD L CORVELL

NECK

Smith C. Does the Internal Administration of Potassium Iodide Have Any Effect on Thyrold Grafts in Guinea Pigs? J Med R sea ch 1914 xx No 3 By Surg Gynec & Obst

The relation of todine in its various forms to the changes in thyroid tissue has been investigated by Marine in co junction with Lenhart and Williams. They made a very thorough study of the histology of normal and gostrous thyros is and observed the effect of sod ne on the glands These authors worked especially on d gs and came to the following con (1) The thyroid glands are divided into normal, colloid and hyperplastic gland the sodine intake is lessened it is shown that the thyroid tends to undergo hyperplasia (3) Iodine given t an animal with a hyperplastic gland causes the structure to become a colloid gland within two o three weeks

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIOUE

OPERATIVE SURGERY AND TECHNIQUE

Barriett W A Simple Method of Sterilizing and Storing Catgut Surg Grace & Obst 1914 2vi 633 By Surg Grace & Obst

Small coils of catgut strung on a thread are dried for four successive hours at a temperature of 80° of 100° and 110° C 110 a dry heat sternheer care being taken to avoid a damp day and steam. The material must be protected by gauze from contact with metal

The catgut is placed in albolene for a few hours until clear then the temperature is raised gradually on a pan of and to roo C. and kept at that point for an hour The container must be lined with thin

The catput is lifted out of the oil by grasping the thread the scores oil being allowed to dup off the thread is cut and the coals dropped into a solution of oidne crystals in Columban spurts. For catput No oo the proportion is one part by weight of indime to 700 parts by volume of spirits for No o 1 to 600 for No 1, 1 to 500 for No 2 1 to 400 for No 3 to 300 for No 4 5 to 300

The catgut is ready for use as soon as it turns dark

It will not deteriorate in storage and coils may be used as needed

ANAISTHETICS

Pal, I: Papa erine us a Vasomotor Agent and Amenthetic (D a P pa erin is Gelasimitel and Anesth t cum) Deut che med H à seir 1914 cl. 184 By Ze traibl 1 d ges Char u i Granger

Papavernne has a local anæsthetic effect i to a drops I a ten per cent solution completely abolish the towneal refer in the abolish what the papil a moderately dilated. This explains the effectiveness of the local use of opinin in the form of a salve of decrease pain. Papavernne not only paralysis and concept means to be used entropy one sensitive and concept in the best of the concept of the salve of high blood pressure, for it decreases the pressure it has also been used by the author in kemoptys. The doses were as high as o or gen intraversomy and o it is much that only by most the concept of the

SURGERY OF THE HEAD AND NECK

HEAD

Algrot and Lexiche: Resection of the Auriculer-Femponel Nerre and Its Effect on Parotid Sertion (De la resection d nerf unculor mporal et de es eff its six la sécrétion parotiden) Ly k to 4 zz 4 By Journ id Chrugi

It has been known suoce Claude Bernards it met the sunculotiemporal is the secretory, nerve of the parot d gla d. In man the glaudular branches originate back, of the masslary condy, is and form resignated to the secretory, condy, is and form the control of the secretory condy, is and form the control of the secretory condy, is and form the control of the secretory condy in the control of the secretory condy is and a sponsate truberde reaches the nerve above to ongo of the glaudular branches but it is easy to dissect the trusk up to the parotted and then by dissect the trusk up to the parotted and then by the glaudular branches but it is easy to dissect the trusk up to the parotted and then by the glaudular branches but it is easy to dissect the trusk up to the parotted and then by the glaudular branches but it is easy to dissect the trusk up to the parotted for the control of t

This oper tion is indicated according t Lin be and Aigrot: three classes of cases (1) I stubbon salvary faitule of the parotid or of Stensons bect (1) is the hyperadivation of certain diseases of the escophago especially cancer (3) in aeroph is cause the yearcespice said too.

Letche has used the operation in see of sain in studies and not of aterphage with marked of agestive histurbances. In the former case the sain y seem ton pers sted for fe edays but much less shundard by then stopped uddenly and the fit tha closed in the other case the digest we disturbanch had ben attributed to gastine hypersecretion. Here should be attributed to gastine hypersecretion offers and interested medically without some considerable properties of the sain should be seen to be supported with excellent results. The sail any accurate was reduced and the brophagy with the companying digest or toubleshot present C & E one 37

clavicular fibers of the pectoralis major as this part may safely be left behind and furnishes a covering for the axillary vessels and nerves This part of the muscle should also be removed if an upward ex-

tension has occurred

The skin incision is carried well forward over the anterior axillary fold toward the outer end of the clavicle curving downward over the fullness of the shoulder The incision is then carried through the fascial coverings of the muscle below the clavicle This fascia is d ssected off until the interval between the sternal and clavicular portion of the muscle is reached then the incision is carried over the anterior border of the latissimus dors! This outlines the avilla. The insertion of the pectoralis major is next isolated clamped and cut close to the

With traction on this the avilla can be cleaned out en bloc by sponging downward and inward The object is to clean out the sxilla completely and pack it off with gauze before the main tissue containing cancer is incised also in this way the inter costal vessels can be exposed a d clamped before

being cut

humerus

The author usually uses an axillary and some times a subclavicular drain for 48 hours

This operative procedure is of advantage because it is practically bloodless and because there is a minimum possibility of dissemination of cancer tissue EUGENE CARY

Jacquerod Pressure on the Thorax in Place of Artificial Pneumothorax, in the Treatment of Pulmonary Tuberculosis (La compression thora equ remplacément du p cumothorax ruficial ion remplacement du p cunicumant da le traitement de la t berculose pulmonaire)

S kece Radik f Med 9 4 x 4 7

By Zentralbil f d. ges Chir u. Grenegeh,

Having observed that the insufflation of a very small amount of nitrogen into the thorac c cavity has a favorable effect on the symptoms of tuberculosis th uthor tried to produce a similar effect by apply ing a band around the thorax. The band which is passed around the lower part of the thorax has small i ces that enable it to be fitted and is kept from sl pping down by two bands over the shoulders It is gradually drawn tighter and finally is left on day nd night Wearing it changes the type of breathing markedly and is said to act favorably on pul monary tuberculosis BURGEBARDY

A woman of 60 was admitted on account of a large mass on the antenor chest wall just below the root of the neck. Twenty years before she had noticed a small hard mass to the left of the median line on a level with the third rib Ten years later she noticed a similar mass to the right of the median hne These gradually approached each other and seemed to coalesce About one year previous she

had noticed a third mass in the midline above the other two This mass had been growing rapidly in size especially in the past three or four months. When admitted there was a large pyramid shaped tumor pointing toward the chin irregular in shape and consistence but definite in outline the base was hard and fixed to the sternum and costal cartilages with areas of softening above the large lobe pointing toward the chin was very hæmorrhagic and soft She had never had any constant pain only occasional twinges of sharp pain. The mass did not pulsate

In the autumn of 1911 she had a continuous hæmatuma passing large clots of blood as well as bloody urase. She was in bed six weeks but had no pain over the Lidney region at that time or at

any time since

The tumor was aspirated on both sides and bright red blood withdrawn The needle was put in some distance under the skin and the condition found to be aneurismal sarcoma. Operation was deemed madyisable but X ray treatments were advised The latter course showed necrosis of the skin and formation of a clot preventing hemorrhage. The skin destruction was from tumor invasion and was not caused by the A ray

Up to 1912 there were reported fifty four cases of the various types of sarcoma The carcinomata are rare only 11 cases being recorded. These two types constitute the great bulk of tumors in the thymus The mixed and the benign tumors occur less frequently

Heimann F: Experimental Study of the Thymus the Ovaries and th Blood Picture (Thymus Ovarien und Bl thild Experiment lie U ter suchungen) Muschen med if hauchr 2013 ly

By Zentralbl. f d. ges Gynak u Geburtsh s d. Grenzgeb. Cluncal observations support the hypothesis that the ovaries secrete substances that inhibit lympho-

cytosis while the products of secretion of the thymus gland cause a lymphocytosis

Heimann made an experimental study of the effect of the thymus and ovaries on the blood picture in rabbits. The ovaries or thymus glands of the animals were removed and after a certain length of time the juices expressed from ovaries or thymus glands were injected intrapentoneally. After the extirpation of the ovaries a true lymphocytosis developed after the injection of ovarian fluid there was a rapid fall to below normal in the lymphocyte count after the injection of thymus extract a rise was noted. After thymectomy a fall in the lymphocyte count was observed it rose again, however after the injection of thymus extract while after the injection of ovarian extract there was a fall again. Therefore the conclusion is that failure of the thymus secretion causes a fall in the lymphocyte count administration of thymus substance a rise After removal of the ovaries the lymphocyte count rises after the injection of oversan juices it falls. The thymus and Manne claums that a colloi gland is that form of thyroid more nearly related to the normal gland to which a hyperplausile gland can resert. He astress that there ecents to be a munimum amount of fod se necessary to maintain a normal gland structure and when the amount falls below thus midinum hyperplasia begins. There is a progressive decrease in the fodine content in the thyroid from normal glands through the various stages of hyperplausi are not the words the smount of doine an it the degree on other words the smount of doine an it the degree of the body and its analogous to regreeration after partial thyroidecterom.

Smith having in mind this work of Manne's and of other five tigators attempted to find out If in thyroid glands the administration of potassium sodide would in any way tend to overcome the thy roid need after partial thyrodectomy as claimed by Manne and thus prevent or retard the growth of the grafts—which Cristiani sittles is controlled the grafts—which Cristiani sittles is controlled.

by the need

Some 54 animals, with 162 grafts were used in these experiments and the author was able to recover successful grafts in a great majority of the animals. Some young grafts were studied in order to observe the early regeneration of the time. In younger grains aboned a central necross, such say the peripheral thyroid tissue persisting. The count necrotic area to excume gradually replaced by a gwed of connective tissue from the persphery. In the older grafts the thyroid tissue appeared normal energy for the presence of increased connective tissue. In some cases there seemed to be relatively seemed to the control, but the control, but the condition was not constituted.

The author asserts that no condunos can he drawn from his experiments as to the condune of the homotramphants. Trom his investigations he let est that the administration of potassium belde to a guarca pig in which a piece of its own thyrod gaind has been transplanted does not have any matrice effect on the behavior of the graft. He does not fined stroppy of the grafts as reported by Current fined stroppy of the grafts as reported by Current fined stroppy of the grafts as reported by Current fined stroppy.

not find strophy of the grafts as reported by Cusani after the use of thyrod tablets. Secondly be believes that thyroid grafts show early central accosion. The penpheral adio only reman intact Regeneration takes place by the growth of thyrod insue from the peripheral actin toward the center These findings, he states, agree with those of von Luesleberr Suttan. Craftin and Enderby.

an, Cristian and Enderien. Grouge E. Benay

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Bryon R. C.: Cancer of th Breast in a Boy Fifteen

Heyon R. C.: Canteer of th Breast in a Boy Fifteen Years Old S g Gynec & Obd 914 2v1 545 By burg Gynec, & Obst

One per cent of all umons of the breat certs in the mide, two per cent of this number are maintenant Trainna is repossible forty per cent of the female nammary derivations and up per cent of the female has been considered as the state of a boy 12 years of age reported by Blodget. The oldest is reported by Luan in a man muety-one years of age a shortmaker. The author aces was a boy fourtern years and eight months old who had been struck by a golf ball on the right inple. Four months hater open exammation a small tumor was found which when operated upon showed a settinhous carcinous of rather active cell problems.

Gecassonally there are embryoloncel dashed, ments of utbeydermal sodules which may estend into the region of the mic breasts, which are blate-logically impossible to differentiate from extraously et they are not causer. The brankle submucous nodules found sow and then in the appendix belong to this group. They are unquestionally of cognition on a skool field it hem submucous news. In the report of Mayos clin c by McCarry, these nodules are called carricoma of the appears.

and have been observed according to McCarty in males from more to eighty years of age

Pearson W The Technique of Operation for Carcinoma of the Bresst 11od Press & Cm 29 4, 2cru, 464 By Surg Gyarc. 1 Obst.

The author believes that the principles governing surgical operations for malignant disease should be (1) To avoid dissemination and wound in plantation of cancer cells during operative pro-

cedures (2) to minimize harmorrhage and shock (3) to min mize the risks of infection (4) to stood upnecessary mutilation or loss of function

The work of Handley has about that the peraction" of cancer-ceils along the lymphate results taken place primarily along the lymphate results taken place primarily along the lymphate results taken and that leavant of a slan mutcles and vaccers is secondary of tense and along the lymphate and that leavant of the lymphate and the lymphate and the lymphate and lymp

removed

The author advocates removal of a large area of skin equidistant in all directions from the tumor the removal of all substanceous and deep fassil covering from the clavicle above to the epigestirum below and from beyond the middine in front to the posterior ax llary fold behind and the removal of the pectoral muscles with the exception of the clavicular fibers of the pectoralis major as this part may safely be left behind and furnishes a covering for the arillary tessels and nerves This part of the muscle should also be removed if an upward ex-

tension has occurred

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Having observed that the insuffiation of a very sm Il amount of nitrogen unto the thoract cavity has a favorable effect on the symptoms of tuberculosis, the author tired to produce a similar effect by apply ing a band around the thorax. The band which is passed around the lower part of the thorax has small I cest that rankle it to be fitted and is, kept from

l pping down by tw band over the shoulders. It gradually drawn tighter and finally is left on day ad might. Wearing it changes the type of breathing markedly and is said to act favorably on pul monary tuberculosis.

BERGERARDY

Murphy J B Sarconna of Thymus. S f Cl J B Vurph 9 3 5 Surg Gyner. & Obst.

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Up to 1912 there were reported filty four cases of the various types of sarcoma. The carcinomats are rare only 11 class being recorded. These two types constitute the great bulk of tumors in the thymns. The musted and the beingn tumors occur less frequently.

Helmann F: Experimental Study of the Thyrmus the Ovaries, and the Blood Picture (Thyrmus, Ovarien and Bi thid Experimentelle Unter suchungen) Manche med il hanche 913 kx. 820

By Zentralbl. f d. ges. Gynal. u. Geburth s d. Grenzgeh. Clunical observations support the hypothesis that the ovanies secrets substances that multi-lymphocytosus, while the products of secretion of the thymus gland cause a lymphocytosis

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TRACHEA AND LUNGS

Bilweis, I. I. An Unusual Case of Stenosis of the Traches as a Result of Primary Tuberculosis of This Organ (U. cas rare de tienose de la trache pa a ste de t berculose primit re de cet organe) 2 r v de la cl. k Proped d Prof Oppe 013 v 87 By Journal de Churugre

A woman of 30 had had a gotter for 9 years. For a year she had been complaining of difficulty in respiration dyspinors and cough but no signs of

syphilis or tuberculous

On admission to the hospital the dyspitca was extreme. Oppel immediately performed strumed tomy and then tracheolomy. In spite of this the asphysis continued and the patient died in 48 hours During life the existence of an obstruction at the bifurcation of the bronch had been recognized.

At autopsy retraction of the broach's was found for a distance of 5 mm. the mucous membras as thick indurated and yellowsh the right broachis was more contracted than the left and on the e ter and wall there was a gaseous and calcified gland Below the bufuration there were other hyper troph ed glands. The longs were norm! but on the pleurs of the lower lobe of the right lung there was a small calcified tubercle. Microscopic examination showed that the lessons were typical tubercular modules with guant cells but there was nowhere softrange or casestion.

HEART AND VASCULAR SYSTEM

Carrel A and Tuffler T Anatomico-Pathological and Experimental Study of the Surgery of the Orifices of the heart ild Pres & Cr. q 4 cd 330 By Surg Gynec & Obst

As a result of their researches the authors state that pure mutral stenous certain aort c stenous and some at noses of the pulmonary artery will be found even in well-defined cases to be benefited by

urment i tersention

ingual; revenion, occupy one of three regions in the three new substitutes the substitute of the constitute of the substitute of the subst

Stenoses f the pulmonary artery present the same

anatomical forms The valvular atmosts at he not frequent form. The fibrous are of insertion an acc and the welding of the valvular magnetic and the welding of the valvular magnetic as over of disphragm convex toward the pulmonary artery the more or less narrow central onfice of which is susceptible of enlargement. It is a participated fact that the pulmonary artery is distell above the seat of stenous but this is due to be delasticity of its walls. There may be pure stenous of the pulmonary artery in young subjects whost any alteration of the myocardnum or congental mal formation of any other onfice. This conduction we

emmently favorable for mechanical treatment Congenital tricuspid stenoses which present its same characters are especially suitable for surgeal intervention on account of the interrity of the cardiac

organ

When an artificial lesson presents leed with the anatomical conditions which permit at d which the state of the cardiac mucle and coats of the vessels justify the reasonableness of the intervention it does not follow that such procedure is actually midcated. The lesson which tends to provide grave midcation that plants towards the adoption of state occurrence but it does present listell distinct of state occurrence but it does present listell distinct you nectual cases. Some sortic stenoses of short continuous progressive development and accompanded with cardiac hypertropy may Frank the regarded as mechanical issons which are maintained and accompanied with cardiac hypertropy may Frank the regarded as mechanical issons which are maintained to the cardiac hypertropy may frank the valuable challs.

In operating the dangers to be avoided are wounds of the coronary arteries hemorrhage et trance of are into the cavities of the heart as arteries and faully thrombours. These dangers are not have grave. We unushed the coronary of the heart as the coronary artery by whome to highten of a coronary artery h we a vary g gravity accorded to the part of its course all cited. Wounds not este origin of the artery even when made with the finest celled all by a cause momentary average of the finest celled all by a cause momentary average finest celled all by a cause momentary average proposed as hythmax. Central application of a figuritie is always ful! I the hear it a retracted in

distole and resuscitat on a impossible. The occurrence of himmorthage within certain lim is is not very serious. Its intensity is naturally in proportion to the extent of the wound and also to the distriction of the latter. The one himmorthage which is grat a enal difficult to arrest as that foun te right uncle. There are several means to combine himmorthage Hyperpressus a behold be musticed at a minimum but it order to obtain a measurement of the several properties of the himmorthage of both or several predicts for a short person of preventing the blood from niter g the heart by compressing one of both venue cause.

The entrance of air into the right ventricle does not present any great danger On the other hand this accident is an extremely grave one in the case of the left ventricle as the air penetrates the coronary vessels producing a fatal cardiac anemia

Thrombosis is an accident of corresponding gray ity but it rarely occurs The authors attach great importance to having the margins of a cardiac wound smooth and regular thus preventing thrombosis Very fine thread is used in suturing and the endocar

dium is not included

The danger zones are then discussed in detail and the sens tiveness of the various structures composing the heart are dealt with Certain manageable zones are described and from their study the authors conclude that the cavities of the heart may be opened singly and their walls resected without grave injury to the ulterior funct o al capabilities of the organ

When preparing to operate it to necessary to interrupt the circulation to an almost complete degree The arterial pedicle - pulmonary artery and norta - may be compressed for a period not over forty five seconds on account of the evaggerated dilatation of the right heart. With regard to separate compression of the aorta this is better tolerated in proportion to the distance of its seat of applica tion from the origin of the aurta and the possibility of even diminished irrigation of the nerve-centers Simultaneous compression of the pulmonary veins produces death after some minutes through default of oxygenation of the cardiac muscles but individual forcipressure of these vessels present o gravity EDW ED L CO ELL

PHARYNX AND ŒSOPHAGUS

Crump A. C. A New Aid for the Diagnosis of Stricture of the Esophagus. J Am M A 9 4 in 47 B) S g Gynec & Obst

The author's method consists in the use of sau sage skin gold be t rs skin Gold beaters skin is preferable as it is tougher but it cannot at present be obtained in satisfactory le 8ths

The sausage skin is cut in lengths of about 30 mm thoroughly washed inside and out and placed in jars of a solution of i per cent liquor formal dehyde and 10 per cent glycerine The distal end is tied with silk floss so as to make a bag the proxi mal or mouth end is shoped over a rubber ferrule

large enough for the skin to fit snugly and tied. The bag as it is then prepared is only a string Before giving this to the patient it is best to cocamize the pharynt and resophagus to prevent retching and coughing this however is not always necessary The patient then swallows the skin with the aid of a little water When the stricture admits a to 15 French olive it is best to keep the skin straight by running it over a Capillary rubber tube This is easily done by first tying the upper end on the ferrule holding the ferrule under a water tap and allowing the water to carry the tube through There should be a small metal tip on the end of the tube so that the skin can be tied without collapsing the rubber. The stomach contents can then be aspirated to show if the tube has passed into the stomach It i surprising how easily a patient with the smallest stricture can swallow one of these skins and how readily it untwists itself on being filled

After the skin is down a thick hismuth mixture is allowed to flow in from an reator hold ag a. couple of hundred Cubic centimeters o com at a time After the bismuth is down the skin is pulled up a I ttle and allowed to drop back in order that any kinks that may possibly form may be untwisted The method of fills g and pulling until the bag is full to the pharynx is continued a stopper is put into the ferrule and the patient given a couple of teaspoon fuls of bismuth mixture to swallow outside the tube a teaspoonful at a time to fill any irregularities or pockets not outlined by the bag There may be some difficulty in removing the bag in the smaller

strictures but this need not occasion slarm The patie t is placed face downward over the edge of the table a d gentle but firm traction given the skin the ferrule be ng held over some small

vessel The main thing is to take plenty of time EDW RD L CORVELL

SURGERY OF THE ABDOMEN

ABDOMINAL WALL AND PERITORRIM

Haeberlin Treatment of Circumscribed and Dif fuse Purulent Perstonitis following Appendica tus (Über die B handlung de enreumsenpten d diffusen eitige Pento its un Gefolge der Append ett). Bet kl. Ch. 9 4, xz. 999. By Zentralbl i d ges Cin. u. 1 Grenzgeb

Th autho reports 346 oper tions for appendict

ts o of them acute appendict s 34 inters 1 operat ons 6 incisions fo ab cess all of these without my mortality chro e appendicutes 66 with one death from pentonitis fter rupture of th ntestine 1 4 of destructive ppendicitis with ci cumscribed perito tis with 4 deaths i due to protracted anaesthesia i to secondary harmorrhage nd 2 to progressive retrocecal phlegmon appendi citis with severe general peritorities 4 with 6 deaths

or 24 per cent mortal tv

The follow g principles were observed In cir cumscribed uppuration after spongs g out the pus nd t mpom g the abdom al cavity appendec tomy was done f llowed by complete closure of th abdominal wound in which room for a small dra n was occasionally felt Douglas pouch was alw ys examined and if there was an ex date it was sponged up and the pouch regated through two long d ains

after that a complete closure of the abdominal

In hilluse purulent peritonitis a thorough an i long-continued irrigation of the whole abdominal cavity was given an I drains inserted on the night and left exten ling into Douglas pouch these being left for at least 24 hours During the impation the patient a skept in the sitting position. The greatest advantage of the primary closing of the wound is that It prevents the occurrence of abdominal hernias But drain ge of the abdominal cavity is sometimes necessary for the author believes contrary to Rotter that under nathological conditions there may be an intra abdominal ore use that may cause the collected secretion to be discharged through the drun. Care mu t be taken that the drain joes not become occlu ted Breckway

hteln I F: F entration of the Diapl ragm; with Report of a Typical Case with Y Ray Di gnosis 5; Gyace & Obn 1914 2 2 54 By Surg Gynec. & Obst.

After a bnef review of the I terature St in reported as a case of eventiation disphagnation in a new horn babe. There was a marked applying livids at horth tenjung tewthy industed artificial respiration. It hinth a destrocardia retracted abol men and in desented estitieles were noted. The child could not nume because of convolute spells associated with deep exposus and very real prespiration.

On the fourth day of life a rontgenogram showed an apparent al sence of the diaphragm on the I ft a de with bonel shadow in the chest and the heart on the right a le in attempt to give a b muth en ma failed so the child was given subcarbonate of bismuth in the early morning feedings and routgenograms taken three and six hours freewards another feeding with bi muth w 5 then given and a secon I picture immed stely taken. These radio grams noutively indentified the tomach an I part of the small and I ree bonel in the left chest and the diaphragm could be made out as a fine line above the visceral shadows The child live I twenty six day during which tim it suff ed several severe erying spell each associated with deep cyanosis and increased rate of resperat n and to one of which

at farally succumbed.

Thore to the post mortem a tracheal catheter was latroduced through a tracheotomy opening and a bosenth au person inspected into the bronch, and a bosenth au person inspected into the bronch, and the post of the post as re ph tographed after pennight parieties. The viscers were removed as tolo and preserved in statering.

Meyer E Obturator Hernia (Über Hernia obtura tori) Arch f bi Ch 19 4 cm 497 By Zentralbi i d ges Chit Grenageb

This work adds to the 5 cases of incarcerated obturator herma published since 8 5 6 pew ones

operated upon at the Leipzig clinic discusses the symptomatology in detail and tree to decrease the difficulty of an early and correct diagnosis by assembling all signs that are of any value Ohters or hernia is typically a disease of old women The author a statistics show 70 per cent of the case in women over 60 years of age and they agree on the point with those of other authors. Aside from the pathognomonic signs of incarceration of bemasymptoms of intestinal occlusion and Romber's sign vacanal or rectal examination often shows as elastic painful resistance in the region of the obturator foramen Differential diagnosis must be ma le from osteomyelitis of the pubic bone minpentoneal exudate and incarcerated ferroral berms. The diagnosis is however generally only a probable one therefore operation should be early

one therefore operation should be early.

Takis adaptrous as in one fourth of the interest that a fangerous as an one fourth of the interest that a farger of the interest that a farger operation of the interest that a farger operation of choice is laparotomy. It has the advantage over the femous lines on of groug a better sure of the field of operation of making it easier to loose in the incertested loops of interest and to perform intestinal reaction of making it easier to loose on the incertested loops of interest and to perform intestinal reaction of making it cases to an attempt should be made to avoid hyplacing, a flap of personteum from the p be loss over the opening or better still by covering over the obturator forsmen with the performs made the progness has mythelly improved is retail.

years

Crasser a statistics including 1:3 cases from 1700
10:300 shows the high mortality of 78 81 per cent
while the author's abow a mortality of 34 7 per
cent. This high mortality is explained partly by the
fact that the majority of the patients are old women

in a poor state of nutrition

From the fact th I elderly women are classy
affected the nutrior has drawn some conclusions;
to the mode of organ of obturator herial
to the mode of organ of obturator herial
to the mode of the control of the control of the control
to the control of the control of the control of the control
than to meet frequent pregnances came hand, and
folding of the pertoneum which may project
through the opening which may project
through the opening which may project
though the opening which has conditioned emants
the submoor of ! * Also subverons known in
the cushoos of ! * Also subverons known in
the control of the control of the control
the cushoos of ! * There have never bee
tuniform wises as to the tuology of obturator heria
not conclus on the author gives a detailed account

Griffith J P C Diseases Connected with Med-1 s Dive ticulum with Especial Reference to Diverticulitis J in M Ass 9 4 lm, 981-By Surg Cyner & Obs.

of the six cases treated at the Leipzig chinic

The autho po is a case of inflammation of Meck is div risulum occurri gim a child in months old The cond tion followed a slight transation to

By Surg Gynec, & Obst.

the abdonum One week later the infast began to compilan of pann in the abdonum shirth was to compilan of pann in the abdonum shirth was the abdonum shirth was the passed a red colored stool and continued to so at intervals for several months. He became very amenum but dut not waste insaturally. The abdonuml pann finally became very severe and it was relieved by commits and the hemorement of the conditions was relieved by commits and the hemorement for the conditions with the conditions of the conditions of the conditions with the conditions of the conditions of the conditions with the conditions of the conditions of the conditions with the conditions of the conditions o

months after the many \armsi arous lesions associated with this diverticulum are discussed briefly Under inflammation the evology symptoms and diagnosis are considered. The diagnosis has rarely been made during life the diagnosis features may be summanized as

follows

1. Localization of the pain and tenderness not so often at McBurney's point as somewhat higher and to the tight of the numbuleus or even about it or

in some entirely different region
2 An area of puffiness or of firm resistance in

this region
3 An absence or slight degree of meteorism at
least early in the attack

4 The presence of blood in the stools and in the somited matter

5 The history of the earlier existence of an umbilical fistula or of some malformation elsewhere in the body

EDWARD L CORDELL

GASTRO-INTESTINAL TRACT

Purie A IL. Preparation of Barium Sulphate for the Opaque Meal. Am J. Rontgenel. 29 4 1 20 By Surg. Grace. & Obst.

The author discusses the disadvantages of barnum sulphate in the preparation of an opaque meal and suggests the following method which overcomes the objections

A gallon per as filled to one quarter its capacity, with Merck a batrum sulphaste pure 1 ery hot water is added to nearly full the jar and the mature a strend with a heavy at ch to the consustency of righ mit. It as then allowed to settle for an hour repeated three times and the muture as then all lowed to settle over ranght. In the morning the water as pound off and the barrum as ready for use

The author uses the upper layers of the barum mud for stomach w rk. mixing it with buttermilk in the proportion of r to 3. The lower layers which are coarse and contain grit are used for the preparation of role of the preparation of opaque enemats.

At the end of the day the remaining barsism is again washed with hot water and allowed to settle until the following morn as Care should be taken that no milk or other food is added to the burnum maxture. Mr A ElANA

Smith C M An Experimental Study of the Rela tion of Bile to Ulceration of the Mucous Membrane of the Stomach J Med Recession

10 4 XXX 10 2 147

The author's purpose in this paper has been to record a number of experimental observations on the relation of bile in the presence of an excess of hydrochloric scid of o 5 per cent strength to necross and ulceration of the nuncous membrane of the stom ach to describe the character of the lessons produced by the interaction of bile with hydrochloric scid upon the epithelial surface of the stomach and to define some of the conditions under which such le

sons were most readily produced it occurred to the author that the action of bile on the stomach motous membrane although at times clearly harmless could be intensified under shoneral conditions, so that it might cause ulceration of the gasten mutous membrane of the attention of the state o

did the stomach of the cat.

The application of bite and hydrochloric acid to the stomach was performed in several different ways in the stomach was performed in several different ways in the stomach of the stomach (2) by a stomach tube (3) after opening the abdomen by ligacting into the stomach bite and send through an aspertung nerdile passed through the wall of the stomach (4) by injecting bite and send back ward into the stomach through the pylorus by means of an aspirating nerdile passed through the wall of the disodenum (3) by anastomorage the gail means of an aspirating nerdile the plants the common blackdort and sublections and make the stomach after lighting the common the stomach of the mind by means of a stomach the stomach of the mind by means of a stomach the

As a result of this study and the author's experiments the following facts are obtained

I When introduced into the stomach of the cat or the dog bile is the presence of an excess of o p per cent hydrochlone and may cause injury to the gastric mucous membrane whereas bile or o p per cent hydrochlone and introduced alone into the stomach is without harmful effect

2 Lesions of the gastric mucous membrane produced by bile in the presence of an excess of 9 5 per cent hydrothore said, consist of necross of epithelium and interglandular tissue with hamorinages into the mucous membrane as a result of which small superficial ulcers may form

3 Ulceration of the gastine mucous membrane following the introduction of bile and hydrochloric and into the stomach, injected by way of the duodenum is produced most readily between the third and the fifth hour stier male least readyly in the fasting stomach or shortly after the ingestion of food

4 If confined in the fasting stomach by I gating
the resophagus and the duodenum bile in the presence of an excess of o 5 per cent hydrochlone and is

more toxic for gastric epithelium than either bile alone or bile in the presence of an alkaline solution 5 The presence of mucus in the stomach protects gastric epithelium against injury by bile and hydrochlorie acid George E Britay

Catille P: Clinical Diagnosis of Certain Forms of Localization of Ulcer of the Stomach and Duodenum (Diagnostic clinique de certaines formes de localisation de l'ulcère de l'estomac 1 d'ducdénum) Thi ad doct Par

By Journal de Chicume

In this important work based on 56 cases the author shows the possibility of making a differential diagnosis of ulcers as to location and age present differential diagnosis can be made between ulcer of the pylorus of the duodenum and of the lesser curvature. In typical cases the diagnos s is easy in others it is difficult or even impossible depending on the age of the picer and the sclerous accompanying callous ulcer

I In pyloric or juxtapyloric ulcer the diagnosis is easy in marked forms with pron unced signs of stenosis or a marked degree of Reichmann's syn drome late pain presence of residual liquid after fasting hypersecretion of hydrochloric acid these are the symptoms of reflex spasm of the pylorus but the diagnosis of mild forms of Reichmann's syndrome is more difficult. The mere existence of late pain in slight paroxysmal crises without residual fluid or hypersecretion of hydrochloric acid is the earliest manifestation of pylonic spasm

The chief characteristic distinguishing ulcer of the duodenum from pylone ulcer is that it does not react on the pylorus and produce spasm more recent the ulcer the more pronounced the symptomatology localization of the pain on the right frequent hemorrhages especially intestinal absence of gastric phenomena Radiography shows particularly rapid evacuation of the stomach In old cases the syndrome is modified by the add tion of juxtapylone symptoms, from spreads g of the ulcer

3 Ulcer of the lesser curvature i characterized by the more prompt appearance of the pain than in pyloric ulcer by the fact that it is more resist at to alkalı e treatment that it is situated to the left of the median line and irradiates toward th back, and there are no pylone symptoms Radiographic xam ination shows a med ogastric spasm or tenosis, a retraction f the lesser curvature the picture of a di erticulum. In case of recent ulcer the differentia tion has to be made chiefly from ulcer of the duode num in case of old ulcer when the pylonic symptoms have been added I L. ROUX BERGER

R M A Bri f Consideration of Some Recent Tests for Gastric Carcinoma Surg Gy ec & Ob 1 g 4, 111, 645 By Sur~ Cymer & Obst

The a thor considers a few of the more important tests f ga tric carcinoma and incide tally for carcinoma in general, with a view of ascertaining the present status of laboratory diagnosis in this condition.

The tests fall into three groups (1) those dealers with the stomach contents (2) those deal ne with the urme and (3) those dealing with aerological reactions

In the author's opinion the tests in the third group would hold the most promise theoretically since it is reasonable to suppose that the blood of Dersons suffering from malignant disease would con tain a substance or substances not present in the

blood of healthy individuals.

However an early specific diagnostic means for carcinoma has not yet been discovered Many tests have been proposed which supply a small degree of confirmatory evidence but in these cases they are too complicated and difficult technically and consequently cannot be applied by the generaly practitioner who is the one most in need of a specific test in order that he may get his cases to operation

All the facts should be explained to the patient together with the dangers of delay and he should be allowed to choose between uncertainty and an exact diagnosis obtainable only through an ex

ploratory operation

Hartmann M II Hypertrophic Stenosls of the Pylorus in the Adult (Stenose hypertrophops du pylore ch ladulte) B B And d self Production to the Production of the Pylorus in the Adult (Stenose hypertrophops of the Pylorus in the Pylorus in the Adult (Stenose hypertrophops of the 0 4 best 334 By Journal de Chrurge

A man of 57 who had never had a y stomack trouble began to lose his appetite and have digestive disturbances which grew worse continually. Hart mann examined him 18 months after the beginning of symptoms when he showed all the signs of stenosis of the pylorus omiti g emaciation, peristaltic waves stasis in the morning. The chem latry of the gastric contents was affected very hitle there was a slight decrease in pepsin. In 1912 Ha tmann perf rmed pylorectomy and implanted the duoden m into the stoma h The patient made

an uneventful recovery and is well at this time On exami ation of the specimen there was no engargement of the glands. The pylorus was thick and hard There was only a very small onlice sur tounded by a ring of muco a membrane projecting into the intest nal cavity Und r the microscope The pylone there was no trace of new-growth m scle and submucous coat were thick and sclerous The mucous membrane did not show any lesson except a slightly cicatricial zone which seemed to represent a healed superficual ulcer. The macro scopi appearance s almost exactly similar to that found a hypertrophy stenosis in infa to, the only differe ce being that the inflammatory process was more marked than t generally is in in als. although t has been found in them in some cases He th ks the inflammatory lesions in his case ma) be xpls ed by the previous existence of a super ficial ulcer of the mucous membrane Carrotat.

Furiquez and Gosset Exclusion of the Pylorus (Remarques ur lexclusion du pylore) Bull i mêm toc d k de P ... 1014 21 337

By Journal de Charace c

Enriquez and Gosset believe that exclusion of the pylorus for benign lesions is not performed in France as often as it should be Many surgeons say it is useless and that simple gastro enterostomy is suffi cient to give them excellent late results statistics of the late results in a large number of cases are studied however it will be found that the percentage of insufficient mediocre or even bad results after simple gastro enterestomy is entirely too high They are generally excellent in marked cases of cicatricial stenosis but are incomplete where the pylorus is patent and often in duodenal ulcers This insuff ciency in the late results of simple gastro-enterostomy can also be shown chinically and tadiologically Clinicilly some patients continue to suffer either continuously or in paroxysms by perchlorhy dria persists in spite of diet an I bismuth treatme t and hemotrhage may reappear Radiol ogy shows that a greater or less part sometimes all of the food continues to pass through the pylorus The authors publish 7 cases of exclusion of the py lorus 4 of which are too recent for us to be able to julge of their final results but 3 show clearly that secondary exclusion of the pylorus may produce recovery where simple gastro-enterostomy has failed They recognize only one technique that of entire exclusion with section of the stomach within the pylorus th others are insufficient as shown by ltarson; a recent radiographic study Exclusion is espect by indicated in lesions at or near the pylorus with marked hypera-sthesia of the mucous membrane and atteme hyperchlorhydria but not accompanied by stasis of food Duodenal ulcer with relati e patency of the pylorus which may be demon strated by rontgen rays is a major in lication for

exclusion
QuEAs recalled that he had presented a patient
stors 35 months ago in whom exclusion of the pylorius
h 1 been performed lunca a period of acute harmor
hige from a duodenal ulcer. He saw him again
tecently and he was 1 excellent he tilt had never
hid any further hermorrhage and was earning hi
his g.

("No believes a di unction should be made be tween duod nal ulerra and pyloroge tric alcers, lor th same tre fun ti does not 1 ph. He peals only of ulerra which he e e used no change in the size of the pylorus In ulerra of the chaodenum it seems rational to complete gastro-enterostomy I y exclulat the exact the pylorus is not only pen

but on sep on The important means per in complete in conjunction and the hyperment of the pibrus in conjunct in such the hyperment of the pibrus in conjunct in such the hyperment of the pibrus in conjunct in such that the sum of th

If the blomuth passes through both the opening and the pyloria or even through the pyloria slore it makes no difference—if the functional trouble has damappeared. To show the usefulness of exclusion a number of cases should be collected such as those of Cosset where after gastro-enterostomy many or all of the symptoms have persisted—to dusppear only after a secondary exclusion was performed.

J DUNGAT

Stone II B Bernhelm B M and Whipple G
H: The Experimental Study of Intestinal Obstruction A S g Phila 19 4 h 7 4
By Surg Gynec & Obst.

In dogs a loop of the duodenum and high je junum may be isolated by double ligatures an i the continuity of the alimentary track reestablished about the closed loop such a condition is rapidly

The conditions of the experiment may be so con trolled as to exclude circultory disturbances food delevatives gastric pancreatic and biliary secretions as possible causes of death

The dogs die with characteristic symptoms and present typ cil autopsy fin lings the whole course of the post-operative disturbances suggesting an intovication of some sort

antovication of some sort

A finid collects within the closed loops that is
highly toxic producing when injected into normal
dogs a reaction much like that of dogs with closed
loops. This toxin is believed to be the cause of

death

The toxin is formed by the mucosa of the closed loop some of it being secreted into the lumen and some remaining arthur the cells of the human.

some remaining within the cells of the mucoca If the closed loops be drained externally the post-operative course of the animal is altered but varying degrees of intoxication still are observable and the presence of toxin within the mucoca, of the

drained loops is demonstral le

Absorption takes place not only from the loop content but from the mucosa d rect the latter being a quite important source of intoxication

There are various possible explanatio a for the perversion of f netion that causes the mucoa to become a source of intoxication but none are yet proved. The fundamental explanation of the change is as yet unknown. It is possible by the repeated injection of sullethal

amounts of the toxin to immunize dogs again t fatal doces
The parenchymatous organs spleen intestinal

mucosa etc nd particularly the lver seem to be especi lly concerned in the production of the re ta ce sgu 1 th 10x11 when dogs are immunized. The extract f an immunized log a liver properly

han filed will destroy the toxin in ev o

It is bed ved that the intoricatin observed in
close I loops is quite imiliar to that existing in simple
obstruction and it that the same toxin is the essential
agent can up 1 at his neach instance.

The discovery of the importance of absorption

from the mucosa even in drained looss leads one to third that the establishment of an entergromy for Iral age in clinical cases may r t meet all the tra sterrnis i e successiul treatment

It may be two lible to searlon a method of direct lef nee against the toxin as an auxiliary to the surgical rely f of obstruction con ly i as

Et tyr Cary

The author reseats a statustical revew of samora of the intestire and reports a cases one a host toear oma ar I the oth r a mya narcoms lie tates that the to I tion is very rare smoker a stors a tir ce baving found 11 caused sate ma primary in the small intratine. The cor I turn is front com mon letween the ages of so ar 1 40 years although a r thet large number occur at an early age t t tta a case in which the condition was present at tirth. The lesion may occur in any part of the in ter are although it i en t e moon in the Leam encurring 32 times in 53 cases. In 102 ca es 67 occurred in males ar 1 34 in f males Tl. con Licon is more c mryon arwing the working classes and a a rai cases ha e followed traums to the put

21) rephesatromator its twore 1th theftypes and a lineant hope of bowel and mesentery are the seat of second ty g outh. This type is the event mal grant the see lie clarif tore tending to remain for hard

Ih my nity of the tem to ongo ste in the submucou tiques and may exten i ou allel to the bowel unthout ulcer then. These true be single or multi De de ege inte userpt mott a results It e sympt me in the Legans g re u usly of an

indefaite nature Gereral ed abdominal rain is u ually first pried f flowed by his of affects nau sea and comiting Pregular bow 1 m nents and d tents n of th and men soon follow. As of meet to c uc t the abstructure sympt ms at not as mar ed rd the due se run a much more raped co me - the average being 4 to 5 morths

The treatment of this con litte no surgical but in ir werst le lymphosarcomata benefit ha followed the

for ELAR admin Mration of Strenk Gover and Masson Ducties-Cland Tuesces of the Appendix (I' meurs newsweede! peend c) Pre mel 16

ing malde Chururge Tumors of the appendix are rarely mahanant They re I name a sovered only on ope to n or at utops; and have become general zed in only 6 per riotth c ses observed thus! r They belong to two types. Hey are eith e shadical epith homat of the ordin ry type or th y re large tumors grea by analogou to the atypical mittou mata of gls lular origi. Recently thermorrier an I then larret have shown that ma) of these tumors re ti h in lines t

The authors study two personal cases of three small tumors of the appen has neither of which gave rate to any special choical symptoms. A histological description of the turnors is given which shows that they resemble glands with internal secrets a much mor than carrinomata Masson had previously shown that throughout the intestinal muchus nen brane there are special rell mertioned loca are and to which Clacelo has given the p re of Lite est chromaff nea These prisma in cells are scattered throughout the epithely m and have at their lave an accumulation of granules which chouse as a celes yellow They I we another much some special property the of fixing in the result close an ammoniacal solution of purate of sales. These argertal ne cells have the value of glands with internal secretion. The gra ples contained in the erl of it tume s of the appendix had the same trdu i a properties and moreo er in one of the t are these agreement ne cells had taken on the Glocal form of th intestine and were arranged arou I a rarrow lumen. The au bors country th se turnors as hyperpl us due so to speak, to \$ pure cuture of the argenta me cells of the me er re I nder these new cor I non the relia become of gueste I so as to crea e the appearance of organiaralagon, to what is lound in hyperplasia of other giane with laters at secreti a the suprameral and parathyrm I for example. The examined tumors of the preme a bould be considered besign tumors. in spi e of the infiltrati a of their elements. They are o ly exceptionally me chapt in this and is the reduci g property of their granules they re seruble the piggren od navi. These tumors do not pertain of sixely to the append. They may be found whereas a the argents has cell exists in the normal condition and the carriers | tumors that ha w been described all alone the intestine seem to be in the same gr un with these duction g rd twee of the append . The specific silver reaction a ? show whether this openion is I st fable

I Denner

Appendiciti and Hypothyroldists (t thepshyrolf) Bad Acad Err Hertogh togh is the publical | comis placed in the publical | partial de Charge

By Journal de Charge

I licen years ago Hertoghe presented a work to the academy or alghi thered insufficient whe h ! alled bronic benign hypothyroulum He munt in that the thyront secretion takes a part both in th f reatto and I se tegration of the album n in every organ of the body there is not a si gl 1 ue 1 the be by that is not a fluenced by it The frequenc | hypothyros lism is explained by the great vulnerability of the gland In the child it exhau to stuck t the task of growth. In the wom n it hears the fatigue of mension tron gests ton and inviation it is very sensitive t all tox c microbic or hygienic influences. Moreo er w nhent a unknown number of taints from our an estors so that there are few ind viduals

who do not have a greater or less legree of thyroid insufficiency This hypothyrolds m ought to be taken into account always in duly practice just as tuberculosis and syphilis are

Hefore the publication of this paper on beings hypothyroidism Hertoghe had called attention to the frequency with which adenoids and hypertrophied tonsils were found in conjunction with thyroid in ufficiency

Since 1001 Delacour has claimed that appendicitis often co-ensist with tonsilities and that they have a common cause in thyro! insufficiency. This is easy to prove either as Delacour did by taking cases of chromic appendicities and examining them. for hypothyroidism or by taking a series of cases with s gas of hypothyroid sm and examining the appendix in the great majority of these cases there will be sensitiveness to pressure in the fleocarcal region This does not mean that all of these cases will levelop acute appendicatis but there is no currentee that this will not occur and no one can tell when it may occur Sometimes a few hours will transform a chronic append citis into an extremely serious inflammation. Hypermethesia of the region being demonstrated he advises operation In the course of the nast year the author has per formed 126 appendectomes, 90 of them for chronic appendicitis These 90 patients were operate i on simply because they showed hypothyroid sm and abnormal sen stiveness of the ileocæcal region H does not think the operation was useless in a single case. He observed the following lesions (a) In the carcum It was generally fixed deep in the iliac forsa by a thesions that were not very firm It was often much conge ted and very vascular These a thes one pass up the antenor surface of the scum t the form of tran parent hyaline veils In the most advanced cases they had passed over the appendix fixing it either to the acum the m sentery or the ileum. In the adult they were ban l the large inte tine () The appendix through the large inte tine especially in children was long large and succulent t 1 ted around it mesentery sometimes u ted in hammock hape It was generally filled th facal m tter In the cases that were not de need it was free and floating Later it bes m progresse ly immobilized by the hyaline ban! In ler th m croscope the appenix d ! not how a v le ns as long as it was free and il ting. The mucous membrane was intact and th re w re no le ions of the peritoneum

I Denove

Heocarcal Tuberculosis. A 241 698 By rg Cypec & Obst. Heorgral tuberculous affect both sexes alke a ! tuberculous a more frequent in the part of the test nal tract than in ny other Tuberculous of th regi and of the appendix is present more often th n is go erally the ght according to the author

and the diagnosis is hard to make sometimes senal section alone will demonstrate the lesson

In one of the cases of appendictus the author reports a facal fistula which took two operations to close It was not until the third operation that tuberculous of the excum was diagnosed by serial sections

Wenner is inclined to believe that at least a large number of these cases are primary and cites one case with a secondary tuberculosis of the lungs fol lowing an appendiceal abscess. The anatomical position is favorable to the lisease as a pre-existing ulcer may be present

The condition usually causes hypertrophy of all the layers and a partial stenous the tumor is

usually freely movable There are two forms (1) The enteroperatoneal form which is difficult to distinguish from appendi citis (2) The hypertrophic form this should be differentiated from neoplasms

Lateral anastomosis is the operation of choice Eight cases were reported EUGENE CARY

rei F Chronic Intestinal Stasis. (La stase intest ale chronique) Thiest de doct Pa , 1914 By Journal le Chrurgie Sorrel F

In this work based on 20 cases four of which are unpublished Sorrel reviews the anatomy and pathological physiology of intestinal stasis. He shows that besides the general form due to ptosis atony of the intestine or certain varieties of meea colon there are localized forms that may be classified as follows (1) Stasis by strangulation of the ileum - Lane a kink (2) stasis in the carcum and ascend ine colon - Wilnes czcum mobile Jackson's mem branous pericolitis (3) sta is caused by obstruction of the splenic flexure (a) stasis produced by an obstruction of the sigmoid - stricture nartial megacolon mesosigmoid tis etc

Vier reviewing the difference in symptom be tween sta is of the right colon and that of the left the former having a more serious effect on the gen eral health the author studies the different methods of treatment of chrome constipation The surgical methods are (1) Resection of bands (2) fixation of the col n This operation has been generally given up as a failure by German surgeons but French surgeons have obta ned good results from it in mild cases I tasis of the cacum All surgeons reject multiple fixati n (3) I ntero-anastomosis Sorrel gives preference to Lane s end to-4 | ileorectostomy with plication of the rectos ginoi I angle which is in with puzzion of the recting given a angle which is in reality a low ileonigmoidestomy (4) Colectiony Lane and Pauchet have used this operation but seem to have given it up in account of pain recur rence of constinution and danger of occlusion.

It goes without saying that none of these opera tions should be performed until thorough medical treatment has failed when the patr at shows symptoms of auto-int air tion and radiography repeated several times has shown that there is a material obstacle to the passage of faces. Garroy Picor

This case wa found at operate n to be fue to a strictur of the sectum. The patient wa a girl of to with a b tory f chronic con tieste a sine I rth An \ ray t cture taken aft r injection of If much showe i enormou that tion of the lege bonel I at I ratory I | an tomy sh we I the of struction to be in the first part of the rectum an annular band in the intestinal wall close to the tuncti n with the secon I portion at the uterov ; 1 The obstruction was toy low to term t d lateral at astom is of the sleum below the ob-The abdomen was closed and the stric struction ture closed un ! ranasthesia then a plig w jut in Rectal hist re of increasing size were use I to ly for as minutes at a time an I the cond ti n im; ruce I so much that the girl w sall el tole se in fise weeks She returned two weeks later and remite i h was feeling bett r than ever ha a gan smalm a ment every day and on tamination there we found a I ner rectal lumen larger than normal

Sulchoud R: Lat Results of Operati e Treat ment of Cancer of th Large Intestine and Rectum (Ré list diag é la t il ment on a toure du nere la grow nieutre et d'erct mi Thère d' d' Lausa ne ors By Journal d'Chrouge

In an interesting paper the author gives the statistics of the hospital of the Canton of Laurance.

1 Of cancer of the large i testine from 18% to the end of 1910 there were 61 case. B of which were inoperal! Operat in ways priome long spain in 27 men and 26 when which are to bulsted as

TOCYLIOA

Cecum 4 cuses
Ascen ling colon 6 ases
Tran serse colon 8 ases
Descen l ng colon 3 453
Sigm 1 il flexure 23 cases

The a crare time between the first subjective symptoms of the lisease and admid a to the hospital w 6 m nth Radical operation whose ble in 28 of the 53 cases or 45 9 per cent

Carcum d agen h g colon 1 ages
Transverse colon 2 cases
Descen 1 g colon 2 cases
lei te colon 9 cases
On the execum asce 1 ng and trans

peration was by ys performed in one stage. On the des end g olon t was performed once in one st ge and the the time t two stages, colorolos tomy of the transverse to the descending colon thes resection two months later All the resections of the sigmoil were performed in several stares Among the 28 radical operations there were 25 recovery sand a deaths one two and five days after the operation two from shock and one from fister at the suture Of the 24 ca es that recovered 24 have been follo ed a cases have survived less than a year a from one to a years 4 out of 5 from 2 to 1 3 sts 3 out of 5 from 3 to 4 years, 2 from 4 to 5 serre i from t to 6 sears t ded between 7 and 8 seats I lung between 8 and o years 2 between 1 and 12 s ars t between 13 and 14 y ars, 1 case ded between ig and it years, I case living between it and 17 years and t between to and 20 Of the t list # patients only one has a recurrence all the others are in good health an i w king

In 300 of the case, or 300 per cent the pallatt e operation only road like performed—on the case as it ascending colon in in 50 cases in a tener colon as a fascing colon in 10 cases in an extra colon and flower and flower as the first colon cases in the case and the case as the

years. Inform ion we heiting in one case a term wit to the oil of 1940 there etc 196 cases fc ner of the rectum 1920 of which were operated of in men and 1940 m n. Two of them were twenty to them; y ray old of there of the entry free of them were twenty to them; y ray old of there is to see cut; I he location was the annual and of the ampulla in 69 and above, the annual in 69 and above, the annual in 60 of the ray patter is perfection portation as for the entry of the control of th

rising methaninee ears occurred in a case permet it asses it in five sure me than the cy is ill zeas operated death badom at coats and experience and earlier season of them be a me to the coats and selected of them be a me to the coats and the coats are coats and the coats and the coats and the coats are coats and the coats and the coats are coats and the coats and the coats ar

The pullistic peration we performed in the asea propule unabases I canus in a subumbli ala u urett get it rect is my sog the prap be anus he

always been mide. Operative or post-operative death 12 or 19 per cent. Living after one to six month 17 from one to two years 12 more than two years 6. The longest survival was five and one half years.

Sippel A A ww Method of Operation for In ragination and Froi pas of the Rectum in Women (From Operation methods des la agmationprolapses des M tdarmes der Frauen) Z wild [6] 1 04 x 1.597 8 Dy Zentiall i d. ges Cyasia to Gebunich a. d Grenzgeb

The case renorted was an invagination of the pelvic portion of the rectum through the anal part as large as a small fist the antenor wall being chiefly in ol ed As there is recurrence in 50 per cent of the cases after colopers and resection of the intestine and drawing down of the flexure was too severe an operat on for an old woman the f Bowing opera tion was performed After reposition of the prolanse the posterior walls of the vagina and cervix were plit. The pelvic part of the rectum was exposed and four longitudinal folds made in the rectal wall then the upper section of the phented rectum was sutured to the posterior wall of the cervit seina was resected and n proved the wall of the rectum being in luded after the making of a fifth f ld Finally there was transverse denudation of the posterior part of the anal portion of the rectum and longitudinal perineal sutur in olving two

Combo B A Deta I of Technique in the Abdomi no Perincal E cirpation of the Rectum (5 no dit i de tech que dan l'est mation bomo pénnéale du rect m) I d k 0 4 xxx 15 By S rg Gyner & Obst

C neo behaves that n removing the rectum by the combined method the best di position of the colons to lower it i the perneum and has it in the asus provided the an i normal. The difficult point in this procedu is the management of the mesent ry and the reselve optained in it.

The inferior mesenteric art is branches in various ways but only two of them re mport at In the first the color artery branches off a or 3 cm below the origin of the inferior mesenteric and the trunk of the agmonds 2 or 3 cm below that In the second variety the colic and the s gmoids branch off at the same place and may e en have a common trunk The I gation of the vessels for the purpose of lower ing the colo sho ld be made as high up as possible near th origin of the inferior mesenteric first carrety there is some quest on as t whether it hould be above or below the rigin of the colic but the utho sinclined to f or the latter a it enders the lowers g of the colon easier In the sec ond variety the l gature should be plac d as high as possibl above the common origin f the branches In pra t ce it is only as essary to expose the interio

mesentene t to origin ne r the body of the th rd

lumbar If t ga es off a coll teral near its orient

I gate above or below it as may be decided upon f

there is no collateral for the first 3 or 4 cm the ligation should be as near the origin as nossible

The ligatures to secure hemostasis will be only on the arteries supplying the part to be removed The superior harmorrhoidal should be ligated as high as possible so as to remove the glands that may be involved as extensively as possible But along the section of colon that is to be removed with the rectum they should be as near the intestine as possible Practically the whole of the mesentery i preserved containing not only the marginal anastomotic arch but that formed by the spreading out of the branches of the inferior mesenteric. It is freed from its vertebral insertion and lowered with the mesentery The author believes that this is preferable to preserving only the narrow hand of mesentery containing the marginal arch for the fatter 1 apt to be stretched to excess or even runtured in lowering the intestine and moreover after the reestablishment of the circulation there may be an excess of pressure in the arch that favors gangrene

The high lightion of the inferior mesenteric does not have any bad effect on the circulation
LEDERY GOSS

LIVER, PANCREAS, AND SPLEEN

Filot Jr E. A Consideration of Certain Coexist ing Lesions of the Gall Bladder and kidney 1 S rg 914 hv 679 By Surg Gy ec & Ohst

Flot emphasizes the point that diseases complicated by the presence of other diseases [as, for instance tubercular cervical lymph holes in the presence of syphilitic infections) or diseases occur ring in one organ and affecting secondarily another organ (as for instance the gall blad let on the lad

ney orse rer) have not been thoroughly studied. The writer has studied knuhot wounds old the kidney and has found case of pt tol shot wound it he kidney on the majority of which some additional vascus had been a jured. The gail bladder and kidney wound caused at the same time that the same time that the same time that the same time from the same not in the sature time from the same not in the sature time from the same not in the sature time.

bladd also was perforated in two places
The history of the author's case is as follows

the mstory of the authors case a as follows. The pair is a m of twenty he was shot with a partiol of medium cather and i len to the host many the mass of the many that the costal marge near the outer margn of the rectum massice. There was marked hematurus together with the symptoms of peritoneal urritati in both attenorily and in the might faith. Four hours after ward an operang slong the margn of the right rectum dischool. I free mount of bein a the peritoneal dischool time; mount of bein a the peritoneal dischool time; mount of bein a the peritoneal dischool time; mount of bein a the peritoneal operange through which the builds had the properties of a present and the peritoneal dischool time; and the peritoneal dischool time of the peritoneal dischool time; and the peritoneal dischool time to the peritoneal dischool time. The peater flexive of the colon was particularly and the peritoneal dischool time to the peritoneal dischool time the peritoneal dischool time. The peater flexive of the colon was peritoneal dischool time to the peritoneal dischool time the peritoneal dischool time. The peater flexive of the peritoneal dischool time the peritoneal dischool time the peritoneal dischool time. The peritoneal dischool time the peritoneal dischool time the peritoneal dischool time the peritoneal dischool time the peritoneal dischool time. The peritoneal dischool time the periton



a cancerous nodule which simulates a gall bladder and a normal gall bladder or there may be can cerous nodule and also a gall bladder containing calcult or there may be a new growth of the calculous gall-bladder itself which has been transmitted

to the parenchyma
All such cases are encountered but a minute and
often repeated palpation ought to discover in these
(umors some anomaly in form or size which does
not agree with that of the gall bladder They are

apt to be too large too extensive And at present the complement fusions reaction and Vassermann the complement states are extended and vassermann the complement valuable and in differential diagnosis; if the observation is carried on for a sufficiently long time there will generally be some sign that will prove gail stones if they really exist. There will be apt to be concretions in the stools and examination of the faces abould be performed more generally and with more persistence than it usually is in the doubt of forms under discussion.

SURGERY OF THE EXTREMITIES

DISEASES OF THE BONES, JOINTS, MUSCLES TENDONS CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

Telford E D Leontiasis Ossea a Report of a Case and a Review of the Literature Med Chronicle 1914 lix 85 By Surg Gynec. & Obst

The author reviews the literature of the disease commenting on the ranty of the condition (less than forty cases baying been collected) and reports a typical case. He describes the disease as one of unknown etiology beginning early in life as a bony enlargement of the orbital region with most marked changes showing in the upper jaw The overlying soft parts are unaffected and no subjective symptoms appear until the pressure of the enlarging bones causes cramal orbital or nasal symptoms. The disease progresses slowly with occasional periods of rest or even retrogression and terminates fatally from the pressure complications Pathologically the bones retain their normal contour but show marked thickening They are usually soft and por-ous showing cavities filled with pink gelatinous material Histological examinations show changes similar to those of ostitis deformans of Paget

The treatment is palliati e operative relief of distressing pressure symptoms being the only measure used DEFOREST P WILLIAM

Wenglowski R M tignant Tumors of Bones a New Method in Conservative Operative Treat ment La 21 Lond 9 4 IUTH 139 By Surg Gynec & Obst.

In malignant tumors of bone to a not resection of the affected area Wendowski stributes the bone to kill all the elements of the tumor and then allows the dead bone to rema in its natural connection with the healthy priv of the bone so that no grafting is necessary. Steam under high pressure is used secured from an ordinary autoclave or even a steam settle as steam in the latter is formed under a pressure of a to 5 atmospheres. Proceed of the walled rubber t bing one and one half to two meters long is attached to the pout of the lettle and to the other off (the tube is connected a piece of metal tubing perforated for the escape of the im. For sterning the fronti and use of the

bone the author uses a straight metal tube with terminal holes for the under surface a flat slightly curved tube with holes on the concare safe. The tumor an the soil parts is removed then that adhering to the bone is scraped off and the bone land have as for a resection. The sterilization is then carned out the soil parts being protected by four hypers of gauze upon a back placed a tim layer of special parts of the protect against any hot water which mathy last through the control of the protect against any hot water which mathy last through the protect against any hot water which

By experiment Wenglowski determined that a temperature of 55° to 80° C was necessary to the the cells and bacteria. To secure this temperature in the thia it is necessary to apply the steam for three minutes for the lower jaw one said one-half minutes and for the condyles of the femur eight minutes.

At the point of application not only the surface near the steam reaches the desired temperature but also the opposite side of the bone. But along the bone is was found that a cm away the temperature but along the point of the steam of the side of

Murphy J B Osteitis Fibrosa Cystica of Upper End of Fernor S g Cl J B Murph 013 u h 5 By S rg C₃ ec & Obst

A male of 7 was admuted to the hespital on account of a deformity of the right thigh. When the prizent was mane ye rs old he fell while running and ained on both knees attaking harder on the right than on the left. He was confined to bed and had sharp absoning pains in the right think to the knee assessed of the time. Mire two weeks he was up and the right was the right of the right was the right of the right was the right of the right was for the right was for the right was found in the right of the right was found in the right was a found in th



dyles and cartilage of the femur change in shape of patella semilunar cartilages, crucial ligaments and inner side of the head of the tibia Micro scopically the cartilage was seen to be replaced with fibrous tissue as was also the marrow in some There was a marked productive osteitis in the tibia The synovia was thickened and con sisted largely of granulation tissue with harmor

rhages. The second ca e showed destruction of the tibiotarsal articulation with microscopic changes similar to the first case to treponema pallidum were

found in either case

Rothschild M A. and Thalhimer W Experi mental Arthritis in the Rabbit Produced with Streptococcus Mitis J F perm 12 Med By Surg Cynec & Obst.

The authors have succeeded in producing arthritis in 50 per cent of the rabbits injected with streptococcus mitis The character of the arthritis is i lentical with that produced by micrococcus rheu maticus and the exudate in and about the joints is of the same nature as that caused by streptococcus rheumaticus The microorganisms can be demon strated in a comparati ely small percentage of cases In smears, they are almost always found intracellularly in cultures they can be recovered

in about one third of the animals Arthritis produced by other types of strepto cocci differs by reason of greater destruction of tissue by bei g more permane t n character and by the exudate containing large numbers of poly morphonuclear leucocytes The deduction of ... distinct variety or species of streptococcus based upon the power to cau e arthrit a in rabb ts is un warranted C H Brestorz

Roberts, P W The Pra tical Management of Chronic Osteo-Arthritis Med Rec By Surg Cy ec & Obst beer 829

The autho while a knowledging the value of the resear h work which is being done with the purpose of clearing up the etiology of chronic a thritis and the development of spec fic remedes contends that e treme refinement n diagnos is not essential

to favorable treatment

For works g basis he uggests the d mon of chron c joint troubles into two classes () those due to or following a demonstrabl infection and (2) those due t a vicious metabolism II puts especial stress upon the effects f traumatum a d por is out the import ce of the immobilization of a chaffected 10 nts observing that those joints which are asily put at rest undergo recession quickly while those more diffic it of fixation recover more slowly Toxic and mechanical rrit ts ct both locally ad centrally the latter affect ug n trition of the joint tissues through alteration of the secretions of the ductless glands

In treats g such cases first the discern ble foci of infection should be removed local nutrition me

proved deformities that tend to put undue strain upon weight bearing joints should be corrected and as far as possible weight bearing parts should be placed at rest

He calls attention to the common fallacy of drug ging these patients with antirheumatic remedies such as alkalies salicylates and iodides whose principal effect is to disturb digestion. He also cau tions against re tricting the diet too closely

He has had a very satisfactory experience from the use of thymus gland substance in doses of 10 to 15 grains three times a day Its action is slow and it should be continued for several months. Some times thyroid gland with the thymus is useful in cases where there has been rapid increase in weight Recently he has used pituitary gland substance a 1 to 2 per cent solution being injected intramuscularly with striking lesseming in pain and joint swelling.

In addition to these agents he has found the d Arsonval current given for the local effect of the heat produced to be of undoubted value Rest is of primary importance and the necessary orthoped c treatment should be instituted as needed for each particular case. He reports eleven cases treated H W WILCOX along these I nes

Werndorff R The Treatment of Tubercular Coxitis. 1m J Orth S g x1 3 367 By Surg Gynec. & Obst

The author calls attention to the fact that while in America the treatment of tubercular hip disease is still unsettled there is no longer any question at the Lorenz clinic in Vienna that ankylosi g therapy is the most de rable. The redressment of the old healed tubercular hip by intra articular operation causes in m ny cases a recurrence of the active pro cess Rather than correct a adduction deformity by intra art cular redressment the author advises subtrochanteric osteotomy The adduction deformity is the result of two things. The destruction in the joint causes a use of the trochanter above the Velaton line thereby causing a relative lengthening of the pel introchanteric muscles in addition these muscles are insufficient also as a result of atrophy The combination of these tw conditions causes a dropping of the pel is to the unsupported side when the body we ght is supported on the affected less alone so that the pelviofemoral angle is less than 90 degrees instead of more than 90 degrees as it is when standing on the normal leg alone

It was obser ed that patients of the remote Alpine regions wh recovered from coxitis without treat ment had a kylosed hips, but they had only a little atrophy and a strong functionally good leg with no sensitiveness on the other hand in those cases which have been protected by extension the leg is functionally unfit atrophic easily tired and al though in better position than the ankylosed cases as lo g as pparatus is worn quickly develops the inevitable adduction deformity when use of the leg is begun without apparatus At the Lorenz clime the



cases. The effect of injections of serum or vaccine on urethritis is very slight SCHULZZE

Brown W L and Brown C. P Technique for Arthropiasty of the Shoulder-Joint J Am If Ass 1914 hal 1389 By Surg Gynec & Obst

This technique was first worked out on a cadaver and then applied to a clinical case. The case was that of a carpenter aged 44 who suffered from a stiff shoulder following a suppurative condition in the joint. The results of the operation were very

satisfactory as mobility of the arm was restored. In this operation is portion of the short head of the theeps four and one half inches long is utilized for a flap to interpose because it is covered by a more dense tendinous sheath than any other structure in the neighborhood and is correctly located anatomically to line the glenoid fossa and cover the entire head of the humens is Ecopy. Casy

Von Schatteburg K. C.: Vultuple Turnor Forens tion in the Region of the Wrist-Joint (Über multiple Tumorhild upen in der Gegend des Hand gelenkes) D sert too M nichen, 9 3 By Zentabli d ges Chri u i Grenzgeb

Covernous augments are discussed with special reters ee to their ordinary, localization and their consistence with other kinds of tumors. In the case described as small tumor had appeared is years before on the right thumb. There was profuse searcing at its size and sensiti eness to pressure The tumor was removed in part. On adm sson to the hospital numerous tumors, we found on the right hand some of them soft and some of them especially on the thense reunence hard. Then we not especially painful on pressure. The skin over the tumors was blush. The radial ands of the right wrist the themse emances and the thump bersquied arged.

nargen
On operation tumors were found on the t ndon
theaths of the flear carps radials flear poller
longes and abstrate pollers longen. They were
longes and abstrate pollers longen. They were
longer to be the poller pollers longer to the poller
very deeply was loc ted on the capsule of the most
joint one was firmly adherent to a nerve. The
tumors and the surrounding tissues were \(\gamma\) ja se
cular and on the flears side of the right forca in
above the wrist joint there were vancose veins
The skin here was most also on the radial side a
the literature. The ulm wise assorted only once in
right therea remaners was somewhat surrophic.
More tumors could be felt on the surface of the hand
bowe this tendon of the flexor orapy radials. A ery

ascular tumor as large as a pea which was certainly a recurrent was found at the boundary between the distail not second phalanx of the right thumb. The glands were not enla ged. Some of the tumors were carnous angumats others neurofibromats.

FRITZ LOEB

Grant T P and Stewart M J On Myeloid Tumors of Tendon Sheaths with Report of a Case Glasgew M J 1914 irrn 333

By Surg Gymec & Obst

Sarcomata of the tendon sheaths are found most commonly between the years of 15 and 40. Trauma probably plays an important role inasmuch as the hands are most commonly affected —87 per cent of true my cloid tumors occurring on the hands and most of these on fieror tendoms.

The myeloid type remains more localized and varies in shape according to surrounding structures while spindle and round celled tumors are more apt to spread. The chief early disagnostic features are slow-growing painless freely movable masses under the slaw with hittle interference to tendon motion. Microscopic examination however is always required for exact diagnosis.

As to treatment Tourneuv's conclusions from which the above data are taken are (1) Local removal without interference of the tendon, it it is an early growth especially if myeloid (2) saide dissection or amputation if round celled and extensively infiltrated (3) amputation if recurrence

takes place no matter what kind of growth it is. The author reports a case of tumor following puscture of the finger by a kiniting needle which was shelled out but recurred twenty months later requiring amputation. The tumor removed was pellowish in color and solid throughout. The histology is discussed and a term suggested by Bellamy myelod endotheliom, applied.

H W MEYERDING

FRACTURES AND DISLOCATIONS

Murphy J B: Fractures in the Neighborhood of Joints J La cei 914 xxvv 26 By Surg Gynec & Obst.

The author calls attention to the frequency of bolimans a contraction following a too tight band age on the forearm in the treatment of fractures the musched is done in the first forty-eight hours and the forearm may be permanently russed. To sevoid this padding four inches thick should be put on between the wrist and the elbow and instructions left that the bandage is to be cut if the hand swells left that the handage with the cut if the hand swells.

For fracture of the condyles the arm should be put up in full flenon and not disturbed for passive motion for two and a half weeks for children three meets for sudits? Fassive motion too entry when it causes pain produces laceration and results in the category of the case of the ca

ing For fracture of the electanon a angle nail at the proper angle is better than plating or winner The author reports a variety of cases of fracture at the elbow In one case he resected part of an anteriorly displaced upper fragment of a supra condylar fracture to allow flexion of the forearm In another case he brought the lower fragment forward and fastened it with a Lane plate to restore mobility In another he detached a displaced condule completely and nailed it back in proper

place with a good result For fracture of the humerus near its head the fragments should be adjusted by open operation and nailed in position In some cases the head had to be taken out, reinserted and nailed in good position In Pott s fracture there is a crowding of the astrag alus upward between the malleoli To prevent this position becoming permanent the foot should be put up in extreme adduction -if the fracture is above the articular surface of the tible - and kept there for at least six weeks to permit healing of the runtured luterosseous heaments. Impacted frac tures of the upper end of the tibia are usually called sprains and overlooked Fractures near the hipjoint usually require sailing. In one case the head was found detached and dead but was nailed in place and showed a good result four years later If there is a fracture of the neck of the femur there should be as to 35 pounds extension with superlative abduction of both legs W A CLARK

Erving, W. G. Diagnosis and Treatment of Joint Fractures 1 g M S m M th 914 xix 85
By Surg Gynec & Obst

Joint fractures are exaggerated sprains and by use of the V ray many more cases are now being recognized as fracture sprains The hamorrhages etc following, and the absorption of the fibrinous elements, f undistu bed tend to limit joint and muscular function. In sprained joints support without interference of normal function is now accepted in preference to complete immobilization and do use

With joint fracture and joint sprain, replacement of the fragments immobilization f r the shortest possible time and active mobilization to prevent adhesions, constitute the treatment

The author emphasizes the alue of X ray ex amunation A temporary adjustment and splint may be used and three days later under possible improved conditions a nitrous oxide or an ether angsthetic is given and a better reduction performed the joint is man pulated to clear the articulation of bony specules and put it in a position of greatest value in case of fixation. If possible neighboring joint should be left free, as tiffness commonly results from too complete fixation

Plaster of Paris spl t nd well padded is preferred as splint material beca se of its adapt bility and lightness From four to five weeks in Colle's, and aix to eight weeks for Pott a fracture is no longer to be considered and to cont ue mmobiliza

tion longer than seven to ten days invites stiffening Hot air massage dressings of hot cloths and baths are recommended Manipulation under anasthetic should be given at the e d of a month Weight bearing in ankle fractures cannot be home under five weeks at the earliest

H W MEYERBYG

Fiérez, J Intracapeular Rupture of the Loui Head of the Biceps Its Relation to Arthritis of the Shoulder Joint (La rupture intra cap sulaire du tendon du long biceps brachial ses reports ave l'arthrit sche scapulo-humérale) Arch gé de à Par 1914 199

By Iournal de Chirurge

This accident generally follows traumatism due to lifting a heavy load there is a cracking sound. severe pain and loss of function followed by ecchimosas of the anterior surface of the arm. It is char acterized by (1) a swelling of the long head of the bicens (a) the tendon can be felt to an abnormal degree under the antenor edge of the deliced (1) the tendon is placed more or less under tension when the biceps contracts

Fiérez maintains that this symptom complex is produced only by intracapsplar rupture of the tendon, not by elongation of the tendo inward dislocation or pseudoherms of the muscle He believes it is a relatively frequent affection. He found it once in as examinations of hospital patients, and in the dissecting room once out of ten arms dissected Besides the acute surgical form there is a chronic medical form in conjunction with arthrtis without effus on of the articulation between the scapula and humerus He reports fou cases

The rupture is progressive the process of destruction passing through various stages. The point is severely involved there is arthritis without effenoa, ecchondroses, esteophytes and villosities within the soint. The localization of the arthritis determines the seat of the lesson in the tendon later after the tendon has ruptured the arthritis continues its of the bicens is one of the results of arthritis process is not confined to the shoulder-joint but

may be observed n other joints It is important to know the part played by arthritis of the houlder joint in rupture of the tendon when passing judgment on loss of function following industrial accidents. Fives concludes that from the medicologial point of view there are three possibilities. (1) The traumatism is the sole cause of the rupture (2) The traumatism is insig milicant a d the arthritis is the sole cause of the rupture (3) Traumatism and arthritis have setted together to produce the lesson But f it can be shown that up to the time of the accident the injured man could perform all his work and th t after the actident he could not w k, the judgment will be

apt to be in his favor In conclusion the author brings up the question of whether abnormal insertions of the long head of ne biceps are congenital lesions or malformations de to intracapsular rupture. The treatment is urgical only in exceptional cases The thing to be reated is the arthritis which is the cause of the BERNARD DESPLAS upture and the pain

tidion J Spontaneous Dislocation of the Hip T Am Orik A Phila to 4 June By Surg Gynec & Obst This paper is an argument for the use of the erm spontanous dislocation for that of con

rental dislocation which has been used up to this ıme Some femoral heads may never have been in their sockets some may have slipped out before birth and others at birth but it is a known fact that some appear to be out at birth and later on become secure and in place others shp out after birth and before the child walks others remain in

place until the child has walked for some time and

then go out without recognized traumatism as late

heads

as the fourteenth year Cases were reported and lantern shdes from radiograms shown illustrating these facts also slides were shown illustrating the case of a man 54 years old who had never had any trouble with his hips, but whose sockets were so shallow that they embraced not more than two-thirds of the femoral

SURGERY OF THE BONES, JOINTS ETC.

Thomas, H B Bone-Transplant S f G) ec & Obt 9 4 x 111 580 B) Surg Gynec & Obst The author advocates the use of bone supports taken from the patient where possible. The Lane plate is thought to cause irritation and a tendency toward suppuration very frequently regardless of the Lane technique The per cent of unsuccessful cases is taken from one hospital only and is much higher than a general study of several hospitals would probably show Some of the uses now made of auto bone plate are enumerated among them

being To plate fractures in long bo es, thereby d m mah ng the possibility of suppuration and a second

operation in companison with the Lane plate 2 To supply congenital deficiency in long bones To retain corrected or near corrected position

in sc hotic spines

4 To replace resected tubercular jos ts
5 To hold the overcorrected talpes equino varus
from the tibia in the groove made by the overcorrec

t n and by hip pegging as suggested by Alber.
6 To supply loss of bone following osteomy chits
7 To replace joints resected for cyst or major
mancy using strips of tibla taken from the same patient as in Halstead's shoulder case not yet re-

ported Only cases under the headings 3 3 3 and 4 are considered. A case of auto bone-plat ng is men

tioned with the opinion that the use of the boneplate will tend to displace the use of the steel plate The replacement of a congenitally absent meta carpal and the replacement of twelve inches of resected knee joint with ten inches of the patient a tibia placed in tuberculous material are reported

Allen H. R.: External Bone-Plating Preliminary Report J Ind a St W Ass 19 4 H 200 By Surg Gynec. & Obst.

Under this t tle the author describes his technique in the operative treatment of fractures, which in buef consists of an external plate made of a low melting alloy composed of a combination of metals This alloy melted over warm water is poured into a trough composed of rubber tubing or forms of any convenient material into which pass the external ends of the nails which penetrate the bone fragments The nails pass entirely through the bone and are placed at diverging angles to each other

He claims for his method better fixation than with other well known methods of external fixation with absence of pain and infection. He never uses plaster of Paris for splints but makes his splints of wire and adhesi e plaster H II II II II

Albee F H The Inlay Bone-Graft in Fresh Frac tures. \ Y M J 10 4 2C1 1

By Surg Gynec & Obst Albee considers that the results of inlay bone-

grafting in old ununited fractures have been so good that the same methods applied to fresh fractures should be equally successful

He obtains the graft used from the fractured bone instead of from the crest of the tibia by making the segment removed from one fragment twice the length of that removed from the other if possible five and one half inches for the long and two and one-half inches for the short segment With a sharp instrument the periosteum is stripped from the area from which the short segment is to be removed to insure the removal of the osteogenetic cells and the gutter started by twin saws adjusted to cut the The long segment is outl ned in the desired width same manner but the periosteum is removed from only the distal half of the segment The parallel saw cuts are continued to the meduliary cavity by a single saw held at such an angle as to cause the saw cuts to converge as the cavity is approached thus preventing the graft from dropping into the medul lary cavity when forced into place

The breadth of the saw cuts is sufficient to allow the graft when placed in position to sink below the level of the gutter and in the margin so left dowel holes are dulled obliquely outward into which dowels made from the split up short segment are driven n this way the mlay is h ld firmly in place The stripped back penosteum above and below is drawn over and sutured the unfilled part of the gutter being left to fill up with new bone The soft parts are closed in the usual manner and a plaster of Paris dressing applied FRANK D DICKSON

Branetti C. Bone-Grafts (Les greffes osseuses) Ge d # 1914 1" 3 By Journal de Chirurgie

The author describes the case of a man of 73 with a sarcoma of the humerus The humerus was resected then a fragment of the fibula 15 cm long was removed the periosteum being preserved as well as possible the two extremities were pointed and introduced into the ends of the humerus. There was no suture of the bone Dramage was established and the shoulder and elbow ummobilized Radi ography a month later showed the graft to be normal Two weeks after thus, while the arm was being massaged the lower end of the graft became detached from the humerus and a second operation had to be performed to fix it in place At this time the periosteum was found normal and the fibula was adherent to the neighboring muscles Four months later the pat ent was using his arm normally with only a slight decrease in muscular force

This case seems to justify the behel that the transplanted fragment continues to live -sa oninion that is at present dishelieved by the majority of P DE MO BRANCO

Gallie W E. and Robertson D E.: The History of a Bone-Graft Tr Am Orth A Phila 1914 June By Surg Gynec & Obst

This paper consists of a report of experiments on animals conducted with a view to determining the successive histological changes which occur in bone transplants Pieces of bone an inch and a half long were removed from the radu of does and carefully replaced and held in position by statching the periosteum over them with fine catgut. The specimens were recovered at the end of one two three and eight weeks

It the end of one week microscopical examination showed that the graft was quite dead, there being

no circulation present and no living cells.

At the end of two weeks the circulation showed signs of being reestablished by the growth of new blood vessels into the cracks and open haversian capals and along the edges wherever a haversian canal was cut transversely it was seen to contain new blood vessels. The lacung were empty

At the end of three weeks the circulation was completely restablished and the graft firmly united to the rest of the radius by new formed bone Everywhere around the outskirts could be seen proliferating osteoblasts which were invading the graft spreading into the cracks and open haversian canals along the new formed blood vessels many places these esteoblasts were laying down new bone Along the edges, wherever haverstan canals were cut transversely, they were seen to con tain blood vessel surrounded by osteoblasts a d new bone Elsewhere the graft was devoid of cells as in the one- and two week specimens. Wherever invaded by oste blasts the graft was becoming

At the end of eight weeks the graft was cancellous throughout there be g very little dead bone left

its place having been taken by trabecula of new bone laid down by the invading esteoblasts

In another experiment before the graft was re daced half of it was completely enveloped in the foil. The specimen was recovered at the end of eight weeks and sectioned longitudinally. In the up of the foil covered extremity the bone was quite dead and as solid as when placed there although the circulation had been completely reestablished Nearer the middle the same picture appeared as in the three weeks graft described namely invision with osteoblasts and the laying down of new bone At the uncovered end the picture exactly resembled the eight weeks graft in being cancellous and mide up entirely of new formed trabecular Thus this specimen showed all stages of the history of a bose graft

In another senes of experiments the grafts were boiled for five minutes before being put into postion The sections showed exactly the same series of changes as described above in the unboiled grafts. In a third series heterogenous grafts were employed and again the same series of changes were demon strated. In all cases the grafts were solidly united to the dog's radius and the rapidity of replacement by new bone appeared to depend solely upon the

relative hardness of the graft These experiments demonstrate that following this successful transplantation of small bone grafts

the following changes occur

z Death of the graft

2 Revascularization of the graft 3 Concomitant absorption of the dead bost and production of new bone by bone-cells which invade the graft along the route of the new blood

These experiments show no difference in the value of fresh and boiled bone as transplants and no diference in the gross and histological changes incident upon the introduct on of autogenous and beterogenous bone grafts of similar density

Brougham R. J and Ecke A C. Prehminary Report on the Treatment of Fractures by Fin tion with Animal Bone-Plate and Bone-Screws. Surg Gyner & Obri 914 zvan 637 By Surg Gyner & Obst

The authors report successful cases of fixation of fractures with absorbable bone-places and bonescrews The fixate n was secure and efficient in all cases and perfect un on with bundant callus forms tion resulted. It was found a non-union when plated with the device that callies formation was stimulated and not retarded

The device and special instruments for the plating make a mechanically simple peration. The tech my of peration is that of Lane The bon used for making the plates and screws obtained from government-inspected cattle. The materist is deprived of its animal matter, nd blesched, and the eprived of its animal matter ind bleached and the plates are made a thin as is consiste t with strength-

The plates which are five a number constitute

the working set each one being designated by a number. No 1 the smallest No 1 the largest

number. No it he smallest, no v the and in The holes in the plates are previously drilled and threaded. The plates are scrubbed with brush soap and water sterilized by boiling for two hours, and placed in formalized alcohol. Before being used they are placed in normal salt solution from which

they are taken at operation.
In operating the fracture is exposed and the bourplate selected in placed over the fractured ends and
beld there by the pressure of long forcers in the
hands of an assistant. The ground the selected is
hands of an assistant. The ground is the bole at
the selected in the plate. The bole drilled is threaded
with tap and the bone screw mounted in the hold
ing cluck. Is screwed into place securing one end

of the bone plate

The other end is treated blewise then the inter
mediate holes The projecting ends of bone-screws
may be saved off with a metacarpal saw or the

special bone of pper may be used. The wound is closed dressings are applied and fution is renifered by the application of a plaster cast. The cast is fenestiated in twelve days the sutures are removed and the cast is strengthened if needed. It remains in place eight weeks and is then removed in normal cases it is not rapplied.

Benjamin A E The Operative Treatment of Fractures, Demonstrating the Use of Steel Plates for the Correction of Bad Fractures J Le d 914 21 270 By Surg Gynec & Obst

The imperfect and sometimes disastrous results following attempts at hone-planting may be due to the improper application of splints selection of the wrong plate screws too small for the drilled holes it hone impaired vitality or infection. The suit hor reports fourteen cases of fracture which be treated by open operation. He used Lane plates a cight of these in four the plates were subsequent by removed in two he reports amus formation per sating several months.

W. A. Class.

Reynaldo dos Santos: Operative Treatment of Simple Fractures (Trast ment operatore des tract res iermées) Med alem? Li b 912 xva, 99

By Journal de Cheruga

During the past two years Reynaldo dos Santos has operated o 30 simple fractures applying e ther mple screws or screws with plates or annily reducing the fract re through the incusion. He has well Lane splates in fractures of the humerus the bow th femur the h physes of the tibia and holia the malleol, etc.

Among the cases there were two especially enterciting ones. In one there was septration of the a tenor tuberouty. I the tubus by sudden muscular outraction 1 a young man. The patella was pulled phard and the fragment of the tuberosity pushed down. The operation consisted in repl. a gathe fragment with the aid of two plates. The severe

articular fracture recovered completely with perfect functional results

The second case was that of a man of 50 who had an oblique fracture of both bones of the left leg with shortening pronounced cedema and glycosuria.

sum and the saw the patient one and one half months after the fracture which had been treated by immobilisation. Examination showed torsion of the key very detective congestions no called the completion of function pain and glyconurs completion of function pain and glyconurs of the temperature of the fragments of the tubus was rescribed to the completion of the fragments of the tubus was rescribed to the first paints of the tubus was rescribed to the fragments of the tubus was rescribed as peter showed for the present the fragments which was allied in with a piece of bone removed from one of the rescribed fragments. Healing was by first intention. Thirty days later there was a well-defined callus and at the end of 50 days fixation and consolidation were complete.

The author emphasizes the good result in such a seemingly hopeless case He insusts on ingorous ascepsis and no sutures. Hemostassi is accomplished by crushing the vessels the musicles and approximens heal without suture and the skin wound is held together by clamps. The timb is immobilized for it to it days with metallic splints followed by massier and mobilitation. For Rio Banco

Soule R. E.: A Further Consideration of Arthrodeels in the Treatment of Paralytic and Other Acquired Deformities of the Foot Tr Am Orit Atr Phila 1914 June

By Surg Gyrec. & Obst.

In cases of permanent paralytic valgus of the foot in rigid and relapsing flat foot the astragalus fer nishes a secure anchorage for arthrodesing the astragaloscaphoid articulation after the deformity is corrected.

The astragalothas articulation is a broad own a lunged joint and being nearly bonzontal ground hunged joint and being nearly bonzontal ground as broad weight bearing surface whereas the astrage locations and placed as it is so that the articulation being a ball and society on and placed as it is so that the articulation is simple strength and inside september and with the bearing and muscle action produces the maximum of deform ity at this point. The astragilas remains in a nor mal relation to the tibia and fibula. Thus ankylous produced at the astragalocasphod joint gives a stable non relapsing foot without the loss of any necessary joint and without material mutulation to the foot. The muscle power already present is preserved and syven an opportunity to develop

Through an incusors about one and one half including parallel to and to one side of the tendo or the land to the side of the tendo or the auternor thank muscle the joint is exposed and with a carved going made to conform to the oxals of the point the cartilages are removed from the bead of the joint the cartilages are removed from the bead of the joint the cartilages are removed from the bead of the joint of the land of the point of the point of the joint
ORTHOPEDICS IN GENERAL

Marshall II W and Languecker II L. Some Hyderic Tests Applied to Orthopedic Conditions. B sten M & S g J to14, citx 75 By Surg Grace & Obst.

The object of the author was to provule a good bass for the recording and study of the substance of the production of the process of substants which come to the orthopolic surgeon. He gives a chair whose base marks the normal average of such indices as height, weight blood prus the harmoglobin amount of unce amount of lood reflexes, etc., Variations from this normal average kine in an individual case are graphically shown by plotting a curve which goes above and below the normal base hine in direct proportion as the indices in the Indix I laid living studied in the contract of the co

The chart should be very useful in keeping the attention of the patient and physician on the abnormal ties and in showing clearly the improvement resulting from treatment Fargueix C. Km gr

Bingham A II : Orth pedics in General Practice

By burg Gynec & Obst. Bingham emphasizes the fact that orthoped c con ditions are first seen by the general practitio er and

ditions are next seen by the general practitio er and that he should be able to recognize the conditions and institute proper treatment. I avorable prognosis in orthopedies depends upon such early dingnosis and treatment.

The various cond tions which the general practitioner should recognize and which will result in severe deformity if not treated early are briefly discussed.

Weak foot with its vague aches an I pans of the foot and leg, and with promition of the foot but no fluttening of the arch should be treated with accusate to strengthen the tubuls and with I roper shoot better crampile pains in the anterior part of the foot doe to the breaking down and of the foot doe to the breaking down and the latest part of the company of the part of the uniter the head of the third and fourth metastresis. Special mention is made of the neces ity of a

thorough examination of the whole body and of exerrises for the correction of postural habits and the strengthen ng of muscles

Rickets is anoth r condition which yields quickly to early treatment and which will produce marked bony deformities if neglected

I oltomyel us ho is fest seen by the general practitio or and much f the deformity and aft r treatment can be prevented if the body and limbs are hid in prope position during the early stages by splints etc. If at massage and le tricity are useful in strumbuting the noralyzed muscles.

useful in stimulating the paralyzed muscles

Joint tuberculous bould 1 ays be suspected if a
child I mps and complains of more or less persistent
so t pain. The prognosis is in direct relation to the

early beginning of treatment
DEFOREST P WILLIAM

Lorett R. W The Causes and Treatment of Chronic Backache with a Consideration of the Diagnosis of Sacra-Hac "Relaxation J J J Art 1914 Intl 1615 By Surg Cynes & Ob.

Chronic lameness in the back is usually attituded by the lastly to either kidney disease or to utense troubles. Considering fundamental lasts, it may be remembered that the condition has to do with a jointed weight bearing upright column maintained in halance by muccular effort that the load is mostly antierior that the sacro-haz joint what mostly antierior that the sacro-haz joint what trainings law weight to the pelvia and thence to trainings law weight to the pelvia and thence woman than man, and in from of it her the indiseased of the pelvia and the pelvia may be a search cord and pickus. But the small column as a search cord and pickus that the small column as

structure of about one hundred articulations with

intricate I gaments stronger on the posterior than on the anterior side

Class fying on an etiologic basis three varieties of backache can be charcally identified viz (i) The chronic ache which may be due to a forward best position which the patient babitually assumes to releve displiced and tender pelvic organs. (1) Traumatusm resulting in chronic irritability (1) Arthritis of the spine In addition to these there is a large percentage of unclassified cases relative to the aure of which there is diff rence of opinion Two theories are held that of the static origin assuming that there is a forward d placement of the center of gra sty imposing undue strat on the posterior muscul ture of the trunk and that of sacro-iliae strain or sacro iliae relaxation & to the latter theory it is of such a p ture as to adm t of definite proof or refutation by contemoscopy or autops; and no such evidence is available to establish such a cond tion as a chincal entity therapeutic measures employed by the adherents to this theory such as straps of adhesive plaster on the movable skin with the idea of immobilizing the joint and preventing the bones sliding by each other are in themselves if they give relief evidence that no su h co lition exists. For it is not to be be hered th t such strapping even with endrching webbing or plaster of i ris will permit a shding thru t of 75 t 125 pounds at every step

The stati theory on the other hand cannot be pro ed or d sprowed by rontgen ray or pubbon. It is more than the state of the strength of this theory and moreover the strapping I ocated by adherents of the strength theory could be sub afford rel et to the static case by cu g as an a nular ligament to the glutal to the state of the

muscles These tatic cases are due either to lateral

In an analysis of eighty three private cases the uth lassifies them as follows Lateral defect is balance to, anteropost nor balance 31 pelva 6, traumat c 20 ribnits 15 scute lumbago—too acut to clussify

Treatm at of the pel ac cases usually means gnecological peration but it is was to stiemp mecha ical measures first. Those due to aminus of the spine and this is

best done by means of a canvas or leather corset reinforced proportionately to the seventy of the reinforced proportionately to the seventy of the seventy o

Pollock II C.: Some Common Facial Deformities from an Orthodontic Standpoint I test M J 014 20 576 By Surg Gynec & Obst

The author describes deformities caused by miliorated javas and tests bust has a squired mouth; and undershot javas and states that they can be absolutely cured. This is brought about by an apparatus made up of small platinum springs ad justed to the mouth by men so the teeth and made to exert also gentle pressure. This cause the test has the pressure and the pressure are the pressure and the pressure are the pressure and the pressure are the pressure as an older.

Pollock shows photographs of 4 such cases before and after treatment lasting from one to two years, with perfect results

From E CARY

with perfect results

FUGENE CARY

Roth P B A Case of Congenital Defect of the

9 4 chara 1457

Ulna La et Lond

B) Surg Gynec & Obst.
The authors case a grid of 7 years showed as absence of the lower two thirds of the ulas together with three dispits a dislocation forward and upward of the upper and of the bowed radius on the humbrus. The of gett the thumb and dittle finger were present. The of gett the thumb and dittle finger were present. The obstacled with the contract of the there and all populations commences and was deflected ulas ward to a right angle. The left humbrus was one inch shorter than its fellon.

The elbow seemed to have good power and motion the hand could be supmated but from full supmation only oo of pronation was possible poss bly due to the curved radius. There was about normal wrist and fuger motion.

Attended a classification is given and reference made to Wietrey walls paper in give when only a cases of this Lind were recorded. An interesting d gram and \r y are published with the ritcle If W Meyenpro

Packard G B The Man g ment of the Convales cent Stag of Hip D sease T Am Orik A I hila 0 4 J By S rg Cynec & Ob t

The uthor imphasives the following points importance of the ubject duration of treatment with a varies according to the resistance of the

individual time of diagnosis and efficiency of treat ment importance of Nay findings as a guide to the question of further protection of the joint prolonged ear required in many cases that are apparently free from activity the cause of relapses the question of deformity the value of motion and its interpretation in many cases apparently arrested after long and serious involvement and the significance of adduction and abduction in the late stage of hip disease not allows recognitions.

The conclusions are

1 Treatment is discontinued many times when
the disease is active

The deformity should be corrected if possible

without trauma to the joint

The \ ray findings are very valuable and nictures should be taken at frequent intervals

A The joint should be protected and the patient lept under observation as long as there is the slight est indication of disease regardless of subjective symptoms or expenditure of surgeon s time

Geist E S Supernumerary Bones of the Foot the So-Called Tarsalla T Am Orik A ; Phila g 4 J ne By Surg Gynec & Ob t

The author reports a rontgen study of the feet of one hundred individuals who have never presented any foot symptoms

The studies of Pfstaner and Dwight and others have shown that some of the supernumerary bones of the foot are of exceedingly frequent occurrence such for instance as the os tingnoum the os peronel and the os tibule. The studies of these researchers were confined to dead house material and it was not known whether the subjects had ever presented foot symptoms or not

Since the advent of radiography the knowledge of these bone has become important on account of the fact that they are frequently mistaken for fractures. Itsis of interest therefore to ascertain whether these various supernumerary bones occur as frequently as is indicated by the statistics given by the authors above mentioned.

This \ ray study of the bones of 200 normal feet almost exactly corroborates the statements of Phizzner and Dw ght The following are the results obtained in this st dy

Os trigonum 86° Os peron 1 70° Os peron 1 70° Os tibude 140° Os vesalis 10° Accessory calcis 20° Os intermentatarieum 20° Os intermentatali

A knowledge of these supernumerary bones is of importance as they have frequently been mustaken to be for broken-off preces of transl bones — the therature in no country being free from errors of this sort it is further necessary for the medicolegal expert to be sequanted with these normal anatom c variations.

SURGERY OF THE SPINAL COLUMN AND CORD

Adams, Z B : The Causes and Their Relation to the Treatment of Lateral Curvature of the Spine Bo ton M & Surg J 1914 clar 785 By Surg Gynec, & Obst

Several years ago Max Bochm called attenuon to the numerical variation of the some as a frequent cause of scohosis. It was especially the asym metrical sacralization he considered as most im portant. In a former paper based upon the examination of skeletons Adams came to the conclu sion that abnormalities of the lumbosacral articu lations are probably of much greater importance in this lirection than asymmetrical sacralization This conclusion has been brought into greater prominence by an extensive study of \ ray plates of patients with lateral curvature. So far in 22 unselected cases, abnormalities have been found which are considered to be the cause of the scolous except in one case of infantile paralysis where no bony almormality was noticed. The reason why scolous most frequently develops between 10 and 14 years is that at this age the anterior lumbar curve becomes constant and the weight of the upper trunk is increasing very rapidly. The increased tipping throws greater strain on the articular processes and as the angle of inclination increases the horizontal thrust becomes more vertical and the strains tend to u ite. Hence when these processes are defective scoliosis develops

In discussing therapy Adams compares critically the methods of thiotit and Forbes Both methods give good results in some cases and fail in others. Bother of the method size good results in some cases and fail in others. Bother of the method size of the time cause as seen by Adams who suggests operative treatment if conservation methods fail or even before correction as attempted. Such oper 1000 should strive to remove bony obstacles or lock together defective articular processes. From a mattempt and the strength of the s

Galloway H P H The Treatment of Paralytic Scollosis by Bone-Grafting. Tr 4m Orth As Phila 9 4 By Surg Gynec & Obst

Gallos y reports three cases of paralytic scolosos treated by Albee a bone grating operation. It draws attent in to the peculiar difficulties of treating colosis as a to to paralysis of the muster of the color of

problem and the physician is driven to attempt mechanical support which is relatively futile

The author first tried bone grafting for this con lation in July 1913 on a boy of six years with a severe paralytic scoliosis together with marked paralysis of both lower extremities. The spinal distortion had been rapidly growing worse. lassmuch as the severe delormity almost disappeared when the child was placed face downward it seemed rational to consolidate the area of greatest deformity while the child was in this position thus making it impossible for that part of the spine to bend no ways or twist when the erect posture was resumed Through a long, curred inclsion the dorsolumbar region of the spine was exposed and the spinous processes of nine vertehræ were split anterpossterior ly into lateral halves. While assi tants made traction on the left arm and leg to help obliterate the deformity a long heavy bone graft from the tibia was inserted into the cleft in the bones and securely sutured in position 1 recumbent position was maintained for ten weeks followed by the searing of a removable corset. Very market improvement has been maintained as is shown by photographs taken before the operation and ten months later

A second case was less favorable for operation, and as the case was not followed up the result is not

Down thard case g and of five had complete pauly as of both lower extremites and so much distortion of the dorsolumbar region that even when rectained the dorsolumbar region that even when rectained the strength of the property from titing of the policy, which was overcome by prehumary raction at two weeks on a double Thomass fine two two presents of the present praction when largely defeated by the formation of a present some on the perneum because of that the space became rigid while the person was tuted and the result was disappearing. Had the preliminary intention been rigid while the person was tuted and the result was disappearing. Had the preliminary intention been kept up for a much longer than the preliminary to the prelimina

Having behind him the experience guided in the cases three cases the author feels justified in recommending further trial of the operation but cases should seekeced with the greatest care the operation between selected with the greatest care the operations where the deforming in correcting but the spine as still feelihe and shows marked lesseaung of deforming in marked lesseaung of deforming in the reumbent position. The operation is applicable to adults as well as children. To the applicable to devote the partial chapter of the spine and the partial chapter of the peration of the peration can be known, are frashly recognized.

Forbes A. M: Criticism of the Paradosical Rotation or Physiological Treatment of Scolloals Tr Am Orth A: Phila 914 June Serre Greec & Obst

By Surg Grace. & Obst
Forbes has demonstrated by pathological specimens that scohosis is not a deformity of the spine

alone but of the trush and especially the thorar there are to kinds of scolours (1) Physiological Scolouss, which is due to attitude and which is essumed many times every day be every person in his normal life from this there is return (2) Pathological which is sin exaggeration of physiological cal scolouss and which is characterized by bomy

and other changes from this there is no return. The fundamental treatment of scolous is the production of physiological scolous of a receive character to the pathological scolous slready easting. This with the law of Wolff can be depend on the size of Wolff with a size of the law of Wolff with a size of the law of Wolff with a size of the law of Wolff wither a temporary in a slow one consequently if the modifying and beneficiar changes which are produced by the production of physiological scolous can be accretizated it is waste to do so As has already been pointed out however it is impossible to mak lateral pressure made behind the angle of the deformed in which pressure with counter pressure on the opposite side of the thorax will tend to reverse the delor

mittee custing

The author begins his paper by citing the hy
pothesis on which this tre timent is based and by
recting the twelve postulates upo which its practical application is founded

Prince H L. The Treatment of Scoliosis by the Abbott Method T im Orth is Phila g 4 June By Surg Gynec & Obst.

Varying reports of success with the Abbott packet are made. The reports indicate a possible of improvement inherito unexpected. The varying success with which the treatment is employed depends upon the mastery of its technique. This technique while a mple in theory is very complex in practice and it a difficult to apply a jacket.

which will exert force only n the desired direction
\[\frac{1}{2}\text{ properly applied jacket needs very little pad
ding. The less padding used the less rib deformity
will be produced. It is important that the jackets
should give plenty of room in which the trunk may
swing in its correction.

At the present time it is impossible to asy much as to the prognous of any g on case or as to the length of time necessary for treatment. A better knowledge of the studegy of scolinus is necreasily before this can be done. There will probably be found several etiologies and it seems certain found several etiologies and it seems certain assumables the continues of the occurrence of automables and the seems of the correction of these anomables before permanent curves can be promused in certain cases.

The conclusions drawn are as follows. Mild many moderate and some severe cases of scotlosis can be overcorrected and cured. The green war war drawty drawty was drawty as a conclusion of the co

Packard G B Recumbency in the Treatment of Pott s Disease im J Onk Su g xi 3 400 By Surg Gynec, & Obst.

The fact that so many pitable deformatics are the result of Pott s disease shows that the value of the recumbency treatment needs to be emphasized still more. It is of most importance in those cases in which the doesn't certebra are involved because he ro in account of the natural curve of the spine more weight comes on the bothes than on the articular processes when the patient is uppared to the form of the natural curve of the spine was suppared to the spine of the s

W A CLARK

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Ryermon E.W. Pott a Disease Albee a Bone-Graft ing Operation. Results in a Series of Twenty Siz Cases. T. Am Orik Az. Plain. 1914. June By Surg. Cyne. & Obst.

Of twenty ux unselected cases operated upon from sux months to two snd one-half years ago twenty-one are apparently well and do not require apparatus. None of the twenty-art was injured and all were improved. Three cases supported and no one the graft had to be removed. In an other a portion of the tup became necroice this was a case where scatter feter developed on the seventh, day with a streptoceous infection occurring in the back and deg on the next the

In this operation the grafts are sewed in under considerable tension with bichloride paradin silk and in most cases some correction of the deform to it obtained. The author believes this operation is a valuable addition to the treatment of spinal tubervilous.

Ryerson E. W. The Transplantation of Bone in Pott a Disease S r Gyner & Obst 19 4 xxin 578 By Surg Gyner & Obst.

The author reports the exhibition of thirteen operated cases as the fix case Surgical Society's meeting. Two of the cases had been operated upon more than two years before All of the cases show improvement and many of them are apparently cured.

t Ryerson xpresses great satisfaction with the operation which he has performed in twenty-eight

ca es lle considers the Hibbs operation equally sound in peneciple but has had no personal experienc with it

Henderson M. S. Bifurcation of the Transverse Process of the blith Lumbar Vertebra J. Iw Och Ass Ph is 194 J. a. By Surg. Cynec & Obst.

Henderson states bri fly that abnormalities are most up? to occur in the six bra where a change is mode from one type to another eight be seventh cervical vertebra may have a ril and the first lawl it may have downal characteristies. The chogatic and bifurcation of the fifth lumins it masswere process an over the looment of the cotal element such

as occurs in the ascral vertebra to form the 1ala. It may under certal tomal i give too d pacement of the vertebra well can gro-

and in some few cuest paralysis. Within the is 1 was pears in the Mayor patients with illumation of the first patients with illumation of the fifth luman vertices have been observable with the water makes and fourteen w to fermace. On the fifth luman vertices were makes and fourteen w to fermace with three gaves purposen which could be attribed to these cases of the process and four cases the could not proved to the fourth of the could be attributed to the could be attributed

SURGERY OF THE NERVOLS SYSTEM

Wahl II R Neurobla tomata; with a study of a Lase Illustrating the Three Types That Arise from the Sympathetic System J Med R wh 19 4 ax No 2 rot

By Surg Greec & Obst.

The author's case and his study of the l terature

The author's case and his study of the literature has led him to the following summary and conclusions in regard to this class of tumors

He belie es that nerse tresu may give rise to new growths which are properly called neuroblas tomata. They may occur in any part of the nervous system and are of two types accords g as they are composed chiefly of differentiated of un life rentiated elements The neurocytoria is the und flerentiated type arising a the cerebrospinal nervous system. The correspond g type I rived from the ampa thetic system the malignant it urol is tome of the sympathetic pervous system or the sympa The ganghoneuroma and the the main meters mail bromaff a tumor represent the diff rentiated perve growth the latt r taking its ongs als in the sympathetic pervious syst m th former an ing also in the cerebruspinal rervou) t m neur Hastomata especially of the un ! If re t ated Most of the pruroblast mata of the d ff rentrated I th mature I cometure cel le Die

Ope of the manager process can be determined by the confirmation of the confirmation o

with the light interpolation of the light interp

cells perspheral gial cells and chromating of the sympathetic syem. The intimater stup of three turn in to one another? In the production of the sympathetic syem to one another? In the interpret of the control of the

toma.

The malign at ne not instomata (i the yet alve se syst m m to tasse rapidly and is en. by if are expected prone to ansate the laser the are expected prone to ansate the laser the institute indiration into the s rounderft or The total the indiration into the s rounderft or The total the indiration into the system to the stream but m y also follow the lym white of the sum of the stream but m y also follow the lym white of the sum of the stream but m y also follow the lym white of the sum of the s

m hm r fr qu t than ha been g ne a fr f nazed the r nt ficais n being oli vs y v looked G = E.

Hein h Direct Tran plant tion of Arms into Muscles for drait 1 p annual der Arms den M k is 7 M f (d a 4 M f) By Len Bild ges that a thereof.

The there is my odd bettermine experience at a better an a possible trenstret fell except at lead receive by the direct translation and in the state of the state

weeks the contractions could not be distinguished in force or extent from normal and not only the muscle into which the nerve was transplanted con tracted but the neighboring muscles of the flexor group Even muscles that had been deprived of their nerves for 21 days could be restored to activity by the transplantation of a normal nerve Warne

H nriksen P B New Experiments in Nerve-Regeneration (A) and rsokelser or nerveregener tion Nork mg f Lageridesik 9 3 June
By Zentralbl f d ges Chir u Grenzgeb

After nerve-suture sensory conduction begins again very soon even at a time when new formed axis cylinders cannot yet be demonstrated in the penpheral part of the cut nerve. In Reckling hausen's disease there is unaltered conductivity in the nerves although the nerve tracts throughout are interrupted by numerous tumors and in places the ordinary p cture with marked differentiation of meduliary sheath and axis cylinders is replaced by a mass of cells that are only slightly differentiated On the peripheral side of the tumors there are normal nerve fibers where according to Waller's law we should expect to find degenerated nerve fibers

This histological picture is also very similar in the two classes of cases. After cutting the nerve the

nucles of the neurslemma problerate in the central and peripheral stumps They become surrounded with protoplasm that extends outward in long threads Through continuous division of the nuclei the threads increase in number as well as length so that they form bundles inside the old Schwann's sheath and compress the meduliary sheath and the axis cylinder. These bundles of fibers are most abundant in the central stump but they exist also in the peripheral one They project from the cut surface of both nerve ends as a gelatinous mass In the protoplasm threads medullary sheath and axis cylinder are differentiated while for each nucleus a segment of nerve is formed that may be regarded as a single cell The author shows how this differentia tion is brought out in preparations stained with hæmatoxylin Van Gieson's fuchsin, pierie acid and Weigert's medullary sheath stain. In Reckling hausen's disease the nuclei of the neurilemma problerate also and become surrounded with protolasm that fills the old Schwann's sheath But here there is no differentiation of the new formed tissue It problerates further and forms tumors-In both cases the continuance of the nerve condition is explained by the fact that the new-growths are of nervous origin with their point of origin in the nuclei of the neurlemma ASBI NILSSEN

DISCASES AND SURGERY OF THE SAIN FASCIA APPENDAGES

I unge H The Present Status of Lupus Treat ment (De gege wart ge Stand der L pusthera-p) D et i Freiburg ots By Zentralbi f d. ges Chu u Grenzgeb

The treatment co sisting of scarification acu puncture and excochleation has the ad antages of short duration cheapness and relati e certai ty in small closed cases of lupps Diath truta is indicated in small superficial areas where there is less quest on of cosmetic effect than of rapid recovery Puncture with the gal anocautery s eas ly d ne and in ma y cases is ad nt geous. The advantages and disad ntages I different methods of treatment are given Lapecially since the introduction of the I usen treatm at a large number of cures have been affected at the Freiburg clinic which foutweigh its slight isadvantages Extirpation s preferred in not ery extensiv cases of lupus on the trunk and th extremuties

Muschter J Results of Combined Treatment for I upu (ther D urrefolge bet Lombunerte L pustherapae) Di artis H lie 9 3 and By Zentralbi f d ges Chr u Grenzgeb

O account of the general nadequacy of the reults of indi idual methods of treatment a combina tion treatm t has recently been used proposed by Doutrelpont and Grou en and good results have been obtained The combination most freque thy used is as follows Excochleation cauterization with Paquelin cautery injection of tuberculin

bichlori le compresses pyrogallic acid and rontgen treatment

Tuberculin treatment is given first combined with bichloride compresses for a few days followed by excochleation and cauterization The latter is necessary to close the lymph and blood vessels and hinder a scattering of the tubercle bacill excochleated surface is treated with bichloride com presses until the scar is discharged. The further destruction of the remaining tubercular tissue is accomplished by pyrogallol sal e to per cent until healthy granulations appear Pyrogaliol salve and bichloride compresses should be alternated While the pyrogallol and bichloride is being used rontgen treatment may also be given Of the 32 lupus cases the histories of which are given 5 were treated by excision and remained free from recurrence. The rest were gi en the comb ned treatment 23 of them recovered without recurrence in three there was recurrence and in one case there was ma ked improvement FRITZ LOE

Salomon The Treatment of Ulcer of the Leg with Pittylen (Die B handlung de Ulcera cruri m t Pittylen) Allg med Zeni al Zeil 1914 kraun 91 By Lentralbl. L. d. ges. Chir 1 Grenzgeb.

Pitty len is warmly recommended in the treatment of inflamed varicose veins and ulcers of the leg. In inflamed aricose veins without ulceration the in flamed part is thickly smeared with pittylen zinc

oil (pittylen 100 zinc oxide 300 olive oil to 1000) and bound with gause. Following the application the stching stops immediately and the inflammation soon subsides. Ulcers are treated with pittylen sal e (mittylen zo zinc oude zo bismuth sub-

nitrate 2 0 Ungt lenient Ungt simpl as 10 0) and the area around the ulcer thickly smeared with pittylen oil This treatment is found very soothing to the patient and leads to a relatively early cleans ing and bealing of the ulcer

MISCELLANEOUS

CLINICAL ENTITIES - TUMORS, ULCERS ABSCESSES ETC.

Murphy J B : Factors of Resistance to Heteroplastic Tissue-Grafting Studies in Tissue opecificity J Exp Med 1914 212 513 By Surg Gynec. & Obst.

Previous observations have tended to show con clusively that tissues cannot be transplanted from one species to another even though these be closely related Two theories have been brought forward to explain this failure in beteroplastic grafting two schools are still at variance and neither has been able to produce evidence conclusive enough to

convince the other

The first and most prominent theory is that of Ehrlich termed athrepsia The experimental foundation for this hypothesis is the so-called sig gag transplantation of tumors between rats a d nuce. It was observed that a mouse tumor when grafted into a rat or vice sersa would survive and proliferate for six to eight d 3s but would later fail rapidly and be absorbe! If however the mouse tumor was removed during the problerating stage and remoculated into a mouse it continued to grow actively After a period of aix or eight days active growth in the mouse it could again be grafted into a rat. This zigzag grafting could be carried on indefinitely with no apparent flect on the tumor tissue or in lessening the activity of its growth The interpretation suggested by Ehrlich is that each species provides its tissus with a specific food ubstance which is necessary for its ma ntenance and growth. The temporary survi al. of the mouse growth

tissue in the rat is d e to the amount of this specific food carried over with the graft. When this is exhausted the graft dies unless returned to its native necies where it will accumulate a fresh supply of the specifi food and again be able to survive for a time in a foreign species

The ch f opponent f the theory is Bashford who rests hobjects non the fi dings in an experi ment in which rats were inoculated a second time with mouse t mor. Under these conditions the second graft although containing an equal mount of th hypothetical food substance would survive only two to three d ys From this fa he c ncludes that there is an active immunity developed again t the cancer cell as foreign proteid. The time of survival of the first graft he co siders the time required f the development f th cur immunity

Bashford claims that the immunity to homonia is: grafting is an entirely different process and that it depends entirely on the blood vessel and stroma re actions The merits of the two theories are not discussed in this article but are quoted by the author to give an idea of the present views on the sub-

iect. In a previous communication it was pointed out that the ayıan embry o has no defensive mechanism against the growth of tissues of a foreign species The tumor tissue of a rat for instance by trans ference from embryo to embryo could be kept growing in the chick for an indefinite period. The rat tissue underwent no marked change during its long solourn in the chick embryo as was shown by the fact that at any time during this period it could be replanted successfully into its nati e species but was promptly dis ntegrated when grafted into the adult chicken

Since it was found possible to graft various adult tissues into the embryo the experiment as re peated by the author in tire In the first senes, comprise g 20 experiments and over 150 embryos, grafts of rat sarcoms and bits of adult chicken tis sues were placed side by side in the outer membrane of seven-day chick embryos according to the method described The adult chicken tissues used were spicen lidney liver bone marrow and con nective tissue. The eggs were returned to the in cubator and at intervals up to the eighteenth day of a cubation part of each lot was opened and the grafts were removed for microscopic examins

tion

The author then seemed to have d monstrated that the chi k embryo offers suitable conditions for the growth of implanted tissues, whether these be embryonic or adult of the same species or a foreign one The che k at about the time of hatching de velops a del n ive mechanism against the tissue of I reign species This resistance ca be supplied to the mbryo in the early stages i grafts of adult spicen or bone marrow are implanted Under these conditions the embry o exhib to the same remainte to foreign tissu as does the adult and prese to the same histological m fest tions about the urthermore the same tusues spicen and bone marrow when grafted into an embryo with an established and rowing rat tumor bring about a etrogression and absorption of the foreign tissue Othe adult rissues do not upply this power to the GEORG E. BEILIN embry o

Goljanitzky J Experiments in Transplantation of Tissues Stained during Life (Ube Versuche von Tran plantationen an intravital gef hten Tieren) Med Obor 1914 lxxil 45 By Zentralbl f d ges Chir u i Grenzgeb

The author stained the tissues in hving mice and rats by the intravenous injection of a 5 per cent carmine solution and then transplanted the skin and fascia. After the transplantation intravenous injections of a per cent trypan blue and a per cent samin blue were given and after that the transplanted pieces were removed at different intervals

of time for microscopical examination

In autoplastic transplantation of skin a large part of the epithelium and connective tissue was destroyed but the necrosis was only a partial one The beginning of the necrosis was shown in the connective tusue cells by a flowing together of the granules of protoplasm that had been colored carmine The diffusion of the protoplasm granules observed in the first few days returned to normal later Even in the later stages there was no change in the cell nucleus. In autoplastic transplantations. macrophages were seen only at the edges of the transplant and in the later stages while in the earlier stages polynuclears predominate. In homoplastic transplantation of the skin the picture is similar for the first few days but total necrosis finally takes place In homoplastic transplantation of fascia the author did not observe necrosis The intravital method of sta ning makes it possible to demonstrate beginning necrosis earlier than can otherwise be done and before destruction of the cell nucleus V SCHLLING begins

Carrel A The Transplantation of Organs Med b Crc 9 4 Mr is 460
By Surg Gynec & Obst.

During the last few years it has been definitely established that autoplastic transplantations of o gans are practically always successful that homo lastic transplant tions although immediate results may be excellent are nearly always ultimately unsuccessful, and that heteroplastic transplantations are always unsuccessful Homoplastic grafts alone would be of use but before being pract cable they must be rendered as safe as autoplastic transplanta tions. As to the cause of these phenomena nothing is definitely known. It seems that the absorption is due to the power of the organism to eliminate foreign tissue. This is attributed to the spleen or bone marrow When the action of these organs is less active foreign tissue can develop rapidly after at has been grafted

The surgical side of the transplantation of organs is now completed as the results are e cellent from an anttomical standpoint. As yet these methods ca not be pphed to human surgery fo the reason that homoplastic transplantations are almost al ways u uccessful from the standpoint of the func-tion g of the organs Efforts must now be made t ward the biological methods which will prevent

the reaction of the organism against foreign tissue and allow of the adapting of homoplastic grafts to FOWARD L. CORVELL their hosts

Beckman E H Complications Following Surgical Operations S rg Gynes & Ob t 014 XVI By Surg Gynec & Obst

Complications in a series of 6,825 hospital cases are reported from the Mayo Chmc for the year 1913 All of these patients had major surgical operations None of them were fatal the deaths being reported elsewhere There were 117 infections or a percent age of oxy for the series Bacteriological investiga tion was made from wounds in all infected cases Thirty five cases in which the wound discharged a serum or scropurulent material showed no growth in cultures taken. All cases that showed any dis charge whatever in the wound were considered as infected. Pulmonary complications are divided into acute congestion pleurisy bronchitis broncho pneumonia and lober pneumonia. The total num ber of pulmonary complications in the series was 87 or a percentage of o12 for the entire series Ether was used as a general anaesthetic novocaine as a local anæsthetic There were 14 cases of thrombophic b tis of the femoral or saphenous veins six on the right and eight on the left side. Most of them occurred in cases that were not infected dilatation of the stomach occurred but three times It is believed that early and systematic lavage has been responsible for the infrequency of this condi-

SERA, VACCINES AND FERMENTS

Von Zubrzycki J R Studies of th Melostagmin Reaction in Carcinoma and Pregnancy (Studies über die Mezostagminreaktion bei Carcinom und Schwangerschaft) A h f Gy at 1914 cu 152 By Zentralbi f d ges Gynäk u Geburish s. d. Grenzgeb

The surface tension of the sera of pregnant nomen and patients with carcinoma was tested with an antigen of binoleic acid and ricinic acid which were dissolved in absolute alcohol. The sera of normal non pregnant women reacted nega tively with a few exceptions and there was a positive reaction in almost all cases of pregnancy and carrinoma In syphilities with a positive Wassermann there was not a single positive meiostagmin reaction. The practical utility of the react on is hmited because of the fact that many tubercular patients and those with a number of other diseases may react positively

Hitchens A. P : Gurrent Developments and Prob-lems in Vaccine Therapy I test M J 914 chens A. P. 1 Current app I tent M J 914 By Surg Gypec & Obst

It is the purpose of the author to show that the himitations which at present characterize the treat ment of infections by vaccines are not permanent and that further investigations will result in a w de

extension of their field of usefulness One of the phases of work which is in need of

further development is the preparation of vaccines To produce a more efficient vaccine an effort should be made (1) to obtain a purer antigen (2) to obtain a vaccine which will cause a minimum of local and general reaction (3) to obtain a vaccine which will render the subject immune within the shortest possible space of time (4) to obtain an antigen in a state more readily available when brought into contact with the tissues.

It has been found that the pentone in the culture media on which bacteria are grown will under proper condutions cause anaphylactic shock This would suggest that bucteria be grown on peptone free culture media or a second way of obtaining them peptone-free would be to use washed bacteria Rowland has made a highly efficient vaccine by u ing the extracted nucleoproteins from bacteria Tiberti obtained good results from the anthrax

nucleoprotem. Rasenow has shown that when bacteria are suspended in saline solution the latter becomes very toxic as a result of autobais In the case of the pneumococcus he has shown that the toxic nutolysate is not necessary for the production of im munity This confirms \aughn's statement that the possenous part has no relation to the antibodies which make the system refractory to disease aughn's split products are used in the hone that the poisonous portion of the protein molicule may be eliminated thus making it possible to give the antigen in much larger doses without fear of a negative phase

Bacterial antigens used in the complement fixation test may prove efficient as vaccines, al though this is not necessarily the case as they are chemically related to the hooid

Hirschfelder has prepared a vaccine by the partial digestion of the bacteria and has obtained ood results although his reaction are very severe The author suggests that perhaps the administration of some other non specific substance causing

so profound a reaction might give the same results
I ostered by the French schools interest in sensitized vaccines is apparently increasing. This method consists of mixing an immune serum with a saccine or as in diphtheris a mixing of toxin and antitoxin this is supposed to produce both a passive and an ctive minusty this immunity however does not last long Recently living sensitized vaccines h ve been used for immunization against diseases such as typhoid Asiatic cholera etc however here a possibility of cau ing There 1 rners It is claimed that sensitized vaccines are likely to be more prompt in their effect and that the negat ve phase is much bort

It would seem from recent studies that in order to cure a disease all that is necessary is to inject a varcine which produces antibodies which destroy the bacteria. This is true up to the point of the production of the antibodies but the bacteria reach ing the tis ues are able to resist the ction of normal ant bacterial substances This s

complished by chemical (toxine) and physical means Antitoxins overcome the chemical bar LIETS

The most promising field of study for laboratory men and others at present is the relation of the infeeting bacteria to the blood and lymph supply sad how to bring the antibodies formed into contact with the infecting bacteria. The question of viccine therapy is now one of Hydraulics suggests that when the content of the blood in antibodies is the greatest some drug should be given to cause a local active hyperemis in the region affected ELGENE CARY

Burnham A. C.: Vaccine and Serum Therapy is Septicemia 4 Se g Phila, to 4 hx 65 By Surg Cyner & Obel

The paper is based on the study of the record of one hundred and eleven consecutive cases of sever infection entering the Presbyterian Hospital Vew York City during the years of 1905 1913 The cases were treated by many different methods. study of cases was especially directed toward the determination of the efficacy of vaccine and serum

therapy The author's conclusions are as follows I Septicarma with true bacteramia is a disease of great severity and of exceedingly high mortality but except in the type associated with malignant endocarditis and in term nal infections, many cases are amenable to treatment

2 Vaccanes are of benefit in ma y of the cases not overwhelmed at the onset by the seventy of the infection and clinically seem t benefit the major

nty of the cases. 3 Antistreptococcic serum is of great value especially during the early st ge when its bacters cidal powers are most pronounced and I given in sufficient dosage during the period of invasion will often change a systemic bacteremia into a localized infection

4 The combination of a t streptococcic serum used I the early stage of septicamia, together wit autogenous vaccines, used as soon as they can be prepared from blood cultures seems to be parties la ly beneficial If the blood cultures are stenie vaccines may be prepared from the local lessor although this method is assistactory and may kee to errors Stock vaccines are still less desirable

lthough they 5 Neithe sera nor vaccines usually do I ttle harm are free from danger and the dosage and periods should be carefully orked out 6 Open our treatment in cases in which cultures re sterile and as an adjunct to vaccine and serum th rap seems to be the best method of increasing BA MY BROOKS

Well R Studies in Anaphyla is a Study of the Cellular Theory of th Graphic Method J Med R search 4 xx % \$7 cms 2 Oht

the resistance of the patient

By Surg Gynec & Ohst

I this study of anaphylaxis the author endeavors t determ ne whether reaction occurs within the cells of the body as is believed by some or in the fluids as is claimed by other observers To clear up these disputed points he has carried out a long series of experiments and in the beginning he points out the fact that guinea pigs which have been in sected with the serum of a rabbit immunized against a foreign proteid become hypersensitive to that proteid In previous experiments by Dale it has been shown that the uterus of a guinea pig which has been passively sensitized by this device making use of the serum taken from an immunized guines pig presents exactly the same anaphylactic reaction as does that of an actively sensitized an mal

From his study the author reaches the following

conclus ons

1 The uterus of a hypersensitive guines pig responds in a characteristic manner upon the add tion of the antigen (Schultz Dale)

2 The presence of immune bodies in the blood of the guinea pig whether in small or in large amounts does not lead to the slightest response upon the addi tion of antigen to the uterine preparation

- 3 Desensitization of the living gu nea p g after acts e sensitization leads to impairment of the power of response by the uterine muscle If desensi tization is complete the uterus fa is entirely to react upon the addition of the antigen if incomplete the uterine contraction is correspond gly enfeebled and
- The uterus removed from an actively sensi tized guinea pig which has been killed in anaphylactic shock may either fall to respond or may give a somewhat impaired response From this observation the conclusion is drawn that a sensitive animal may be killed by an amount of antigen considerably less than would be required to saturate the antibody content of the animal
- 5 In passively sensitized guinez pigs it is shown that the dose of immune serum sufficient to prepare the gumen pig for a fatal a phylactic shock induces a utenne condition in which the addition of antigen leads to a typical response Smaller amounts which in vito prepare the guinea pig for a moderate reaction give as an analogous result a proportion

ally diminished response in the uterine preparation 6 Desensitization of the passiv ly sensitized guinea pig depri es the uterus of it power of re

The gradual and spontaneous loss of sensi tiveness by the passi ely prepared guinea pig is accompanied pa pass by a loss on the part of the uterus of its capacity to respond to the antigen

This loss precedes the development of an a aphylactic condition toward the heterologous (rabbit) mmune serum emplo ed exactly as n the hvi ga mal

9 These data lead to the following generaliza tions () The anaphylactic cond tion is ent rely dependent upon the sens turntion of the cells of the body () All conditions which in any way fluence the degree of sensiti ess of the cells in the same degree alter the anaphylactic state or sensiti eness

of the animal (3) The presence of immune bodies in the blood whether in small or in large amounts does not in the slightest degree contribute toward the production of the anaphylactic response in the George E Bezley guines Dig

BLOOD

Hill L. W Report on Leucocytic Inclusion Bodies. Bast M & S g J 1914 cler 79 By Surg Gynec & Obst.

The author has investigated a series of cases at the Boston City and Massachusetts General Hos pitals with a view of ascertaining the relation between Dohle's leucocytic inclusion bodies and

several other diseases The discoverer of these bodies originally con sidered them to be fragments of a disintegrated

spriocheta supposed to be the cause of scarlet fever This theory has been discredited by subsequent investigators and by many they are con sidered to be merely fragments of disintegrated nucles by others to be broken-down tissue fragments which have been ingested by the leucocytes One hundred specimens of blood were examined by

the author from patients suffering from scarlet fever erysipelas pneumonia syphilis, empyema secondary ana-mia and serum rash including blood

from thirteen normal individuals

The majority of the cases of scarlet fever erysipelas and pneumoma showed inclusion bodies while none of the others showed them The author arrives at the conclusion that these bodies are com posed of nuclear material the disintegration in all probability being due to toxins of the streptococcus. JAS H SKILES

Schattauer F Treatment of Internal Hemorrhage (Z Therapic innerer Bl tunge) F e rai

9 4 221 By Zentralbi f d. ges Gynäk u Geburish, s d. Grenzgeb

Almost all the preparations which are used for the treatment of internal hamorrhage hydrastinine stypticin and ergot depend on their property of having a vasotonic effect on the musculature of the vessels But the contraction of the vessels is produced, not o ly in the bleeding region but on all the blood vessels and this causes an unpleasant rise in blood pressure. Gelatine and astringents have been given to increase the coagulability of the blood

A new preparation that produces hamostasis and set avoids a rise in blood pressure is styptase It consists chiefly of tannic potassium chlorate and ca ses cha ges in the colloids it also inhib to the formation of transudates and evudat a. Schutt auer has treated a case of bleed ng ulcer of the rectum and cases of endometritis and post abortion hæmorrhage with typtase The preparation is to be recommended in hemorrhage of the uterus except for puerperal hemorrhages in which the purely mechanical effect of the uterine musculature is defective. In puerperal hamorrhage it serves as an auxiliary to ergot treatment. Bagge

Cumston C. G The Technique of Comparative Hyperamia. Aus Su g Ph 1 to 4 1 v 64v By Surg Gynec & Obst.

The author describes in detail a method of application of Moszkowic s sign. The essentials of the correct method of applying the test are the securing of a complete anamy of the diseased extremity and its mate the sudden simultaneous release of the constructing ban is and careful observation of the waves of hyperæmia in a good light hay vegous stasis is to be avoided. The extremities to be compared are first emptied of blood by being held in an upright position or if this is prinful by an elastic bandage applied so as to love the blood toward the heart The arternal flow is then completely obstruct ed by a flat rubber band for a penod of five or mx minutes Tollowing the release of the constricting brads the two extremules are observed carefully and the rapidity intensity of color and stopping points of the hyperæmia waves are noted

The author discusses briefly the variations seen in practice and concludes that the disgrowite value of the test should be limited to cases of gangrene due to vascular occlusion in which cases the test is the surers gaude to the proper size of ampiration which should be done quite a fulle above the lower limit of the hypergemic goon. Base xr Basoss

De Tarnowsky G Personal Experiences with

Congulène-Kocher Fonio. S g Gy et & Obst Coagulène is a preparation obtained through fractional centrifugation of mammalian blood whereby the blood platelets become separated from other cell elements It is used locally or intraven ously in a 5 or 10 per cent aqueous solution freshly sterilized Its action is to accelerate and intensif the normal coagulating time of the patient s blood used loc lly in the course of surgical operations it obviates the use of ligatures allows closer coaptation of tissues and prevents the firmation of post operati e hæmatomata its greatest field of useful ness her in bone ad intracranial work. Follow g its use no drainage is necessary Intravenously it may be g: n in quantities varying between too and 250 ccm of a 5 per cent sol tion Tavorable reports are already at a lable concerning its efficacy in hemophika and gastroduodenal hemorrh ges, in hamorrhagic pancreatitis and in purpura hamor

Coughène wa clahorated in Aocher's climic in Betroe by his fine assistant forms. It is at present sold in the I rm of a granular ubst not having a solved in sufficient sterile water to make eithe or to per cent sol tion which is at liked by bol ag not to exceed five minutes. The aqueous sol tion must be used within 24 hours as t randful loss. activity The dr3 preparation retains us normal activity for several months. By means of as ordinary as mage a few drops of the solution are dropped on bleeding surfaces and allowed to remain a situ. For intravenous use the ordinary apparatus used in normal salue infections suffice.

Liwanoff A W: Th Biological and Surgical Significance of Thrombokinase (Die bologicale und chirurpache Bedeut in der Thrombokinasi 1 ok mo-med J 1915 CERTAL 203 By Zentralbi f dies Chir i Lienage

From a study of the congulation of the blood and the role that thrombolinase plays in it two their perute possibilities are disclosed. By the adminitration of thrombolinase the deficient congulability of the blood may be increased in hemoplius and cholemic himmerinages and by inactivating the increased thrombolinase content of the blood the

danger of thrombons may be overcome It also gives an explanation of thrombons in the blood vessels after traumatic and post operative hauntering. The author describes the method of obtaining thrombonianse in use at 1 on Oppel's change and thrombonianse in use at 1 on Oppel's change and thrombonianse in the formation of distinct of large harmatomata in the formation of distinct thrombows and infarcts Large harmatomate in the contract of the co

thromboknasse in use at Von Oppels chust, ask gives some case histones illestrating the significance of large hermatomata in the formation of distantional temperature and infarts; Large hermatomata about the opperature of the control of the contr

Amberg, Jr. S. Fat Embolism in Fractures with Special Reference to the Early Symptom (Uber I ttembole bei Frakturen mit besondern Berück ichtigung de Frühympione) Was ib R ndscha 164 4 xxvii. 65 By Zmrinbl i d ges Chir i Gerungb

The uthor describes two cases of fat embolis after fractures with severe as implicate one of which recovered after fraction of the thoracic duct by Wilms method the other without any frestin at

The author discusses the question of whether early diagnosis and prognosis are possible Of it impublished cases as pended I tally 7 of them within the first 3 hours in all of the lutte there was a fracture of the pelves.

institute of the provine planned by the fart that the provine planned by the fart that executed foll prest to calenty of the provine organs I t passes of excitly into the blood us greater do much good as the fat has not yet resthed the prophatic duct at most its later absorpton the prophatic cut at most its later absorpton they cover at good to the terms of the design of the covered at the cov

BLOOD AND LYMPH VESSELS

Horsley J S: Surgical Repair of Blood Vessels
Its Technique Its Uses and Limitations
S g G cc b Ob 1 9 4 vm, 536
By Surg Gynec & Obst

The author believes that sensational new spaper articles have done blood tessel surgery much harm been in a mina no organs such as the kidney and no lumbs have been transplanted with permanent success A transplanted with permanent success A transplanted with permanent functionate for a while it gradually loses ste structure. However blood tessel surgery has four furful fields (1) Trauma of the vessels (2) malugnant growths that modive the blood vessels (3) ancurams and (4) transfersion of blood

In suturing vessels, Horsley claims that the same principle of approximating endothehum obtains as in suturing intestines—only the endothehum is on the miside of the vessel. So in suturing vessels after must be turned out just as in suturing vessels as the superior of the suturn of

tines it must be turned in

He describes his technique for vessel suturing as solicions. Three guy sutures are unserted and attached to buttons on an arterial suture staff of his design the threaded and of the last two guy sutures are not cut but are used as a double mattress or cobbler a statch. The suture staff converts the circum ferrocce of the vessel min as transple and the vessel min and so that the entime as everteed in the third that is said to that the entime as few retains the thread that is said; tension as when the sutures are held by hand and a fange with everted minum as turned out the uttima being accurately approximated by the cobbler's statch

Moure P Study of Transplantation of Blood Vessels and Particularly Its Application in Sungery to the Reseablishment of the Constitution of the Con

des conduit musculo-membrane) The se d doct Par 9 4 By Journ 1 de Ch rurgie

This thes a coast tutes the first general review of the subject in France. In each of the chapters the author revi was the facts previously known and adds his ow experimental results and the clinical results obtained in human surgery. The technical part gir is in detail the operative technique which is so delecat that the slightest violation of asepus may result in complete failure.

After have g revened the work of Hoepfare Carrel and Guithne Goysunes. Leser and Delbet the uthor recall the facts that a blood vessel completely solated from the neighboring part by the construction of the solar construction that vessels solated from the solar construction that vessels solated from the solar to the that vessels solated from the property with the property of the solar construction with the transplanted vessels adapt themsel es to their new surrounds g at they re sufficiently impated

and nourshed In this connection he tried transplantation of the omental vessels but unfortunately numerous experiments on dogs were negative the omental artery was rapidly transformed into a small fibrous cord

He believes that some beteroplastic grafts may gaye better results than those with vessels preserved too long if the grafts are taken from those animals whose serum is the least toric for man. He admits that the heteroplastic graft tends to be progressively obliterated but says that it remains permeable long enough for the necessary collateral circulation to be established Autoplastic transplantation of artenes is impossible and the results with artenes that have been kept some time uncertain therefore he believes that the best method is the transplantation of sections of veins external jugular or saphenous. He had perfect results in 13 cases with dogs. Histological examination confirms the clinical results If the operation has been strictly asentic there is no trace of inflammatory reaction, the presence of a mass of leucocytes with mant-cells is due to an attenuated infection. The transplanted vein does not play the part of a simple conducting tube but lives independently and undergoes changes in structure which make it resemble an artery by hypertrophy of the middle elastic layer Hetero-plastic grafts are simply conducting tubes. Throm bosis and hemorrhage are the two post-operati e complications most to be feared but both may be avoided by careful technique and rigorous asersis

Transplantation of vessels has been tred 1 y times and succeeded 1 y times in refstablishing the con timuty of an artery, once to restablish the continuity of a ven Of these cases seven were aneur mins of the femoral or political artery with recovery and once after four months though the immediate result was satisfactory there were three other cases of aneutism of the axiliary external slace and brachal strenes death from thrombosis resulted in the first two cases recovery in the third. In three the first two cases recovery in the third. In three the first two cases recovery in the third. In three the first two cases recovery in the third of the femoral resected in the complice a segment of the femoral resected in the complicate as a segment of the femoral resected in the complicate as a segment of the femoral resected in the complicate as a segment of the femoral resected in the complication of the femoral resected in the complicat

Doyen's case in which a segment of the popl teal
was replaced by the jugular vein of a sheep was a

auccess

Moure concludes that transplantation of vessels though an exceptional operation is absolutely indicated in certain cases. He describes a number of cases in which blood vessel grafts have been used to case in which blood vessel grafts have been used to the continuity of insuculonembranous canals the continuity of insuculonembranous canals and the continuity of insuculonembranous canals and the continuity of the continuity o

without success. Iran made a successful attempt to rectore Stenon a duct by means of a ven graft Pays channed the cerebra's controls no hydrocepha lus with a vein-graft. Ruotte used a vein graft in assites. An incomplete transplantation of the in ternal subbenous was utilized.

This interesting work seems to show that vascular transplantation though still relatively in miled in use finds its most natural indication in restablish most the continuity of arteries when ligation is in possible. The other uses are interesting or carlous but their doubtful or bad results make further experimental research necessary before apply ing them in human surgers.

SURGICAL THERAPEUTICS

Watkins T J: Treatment of Infected Wounds

J Am H A 1014 is 1101

lig Surg Green & Obst.
The abuse of wounds caused the author to write

this paper Ilis treatment is as foll wa

the state of the s

butures are rarely removed except in instances in which they cut through the skin. The nounds are not probed or separated no drainage material is instrict and no methication is used to exception is made in cases of intestinal fistular or abdominal

Stribect

The mot ture is used solely to promote dramage to layors deviange cheful by presenting counts into and des ectation of the d scharge. The heat increases the blood supply, and for tens supportation and the second of the second

I osture is at time, used to promote dramage Care is observed to a sold all procedures which would tend to I sseminate the infection such as prob agmanipulation separation of the wound of use of rubbit tabing pack ng, irrigation and the I is It has been known for a long t me that the use of antisept cs injuries the tassues more than I do. I bacteria Aside from the destructive power of antiseptics and the dangers of dissemination of the infections by irrigation solutions the force of the fluid mechanically removes some of the debate reparative justure

Infection in cases of vagual section unally a subts following extensive operations especially with there is much retention of wound structure. Prophylactic terainment is fluoritant expensity regard to strict seepsus. The author has shazirod much of the post-operative terainment. The term its ment of infection consists in elevating the head of the terd and applying hot most dressing to the ball of the term of the control of the subts. The advantages of this treatment are:

1. The patients is but futthe disturbed resulting to the property of the property

injured physically
The wounds heal quickly as there is link

2 The wounds heal quickly as there is little surface for repair
3 The strength of the wound is relatively not

anuch impaired in the absence of much sloughes
4 The danger of secondary contamination is
buildinged Longe L Constit.

ELECTROLOGY

Cumberbatch E. P.: The Influence of the X-Roys on Some Cases of Persistent Supportion Lened Lond 1914 is not 1392

By Surg Gynes & Obe The author reports four cases two of infective

persontins one of protable hygroms of the formal subsequently infected and one of vibercal subsequently infected and one of vibercal subsequently formal subsequently of the case are still understand the control of th

In arresting the process of suppurstion the \ mo of not act only if at all by detroying the progressory, masss. In experiments made to test the actual the \ nays agon cultures of bettern the progressory, and the progressory of the section agont and at the same of the progressory of the progressory of the section agont and at the section agont the progressory of the section and at the section of the section and the section and the section of the section of the progressory of the progr

Burnin L. Further Experience with the fradition of Carcinosin (Victor Frahrunger du Carunombestrahina) Bei H 1 & ale 1014

Carcinombestrahlung) Beri ti 11 2 tian 1444 it 143 By Zentraibl. f d ger Gynak Geburtsh d Grennysh

Bumm reports as experience in the irradiation of a cases of carrinoma during a year and a half

There was local bealing in 3 to 5 weeks in the bepanning a chincal condition of irritation was present for 8 to 14 days. The local effect was wonderful to 10 to 1

The permanency of the recovery could only be determined from specimens obtained by operation or at autopsy. The findings in air such cases are described. In three of the cases there we re such small remnants that they could only be seen microspically and from which certainly no recurrence scopically and from which certainly no recurrence or the seen of the contract of the certain contract of the certain contract of the certain contract of the certain contracts used to depths of from 2 of the certain contracts used to depths of from 2 of the certain contracts used to depths of from 2 of the certain contracts used to depths of from 2 of the certain contracts used to depths of from 2 of the certain contracts used to depths of from 2 of the certain contracts used to depths of from 2 of the certain contracts used to depths of from 2 of the certain contracts used to depths of from 2 of the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contract and 2 of the certain contracts are contracted and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to the certain contracts and 2 of the certain contracts are contracted to th

31/2 Cm

Among the 108 cases only 40 of which were operable there have been only 15 recurrences to noperable cases reconcered. This does not mean permanent recoveres for the time of observation has not yet been long enough. He warms against applying doses of over 100 mg for a very long time for in spitol filtr tion they produce burns on the surface and press e bysaine degeneration in the depths of the tissues also rapidly noreas ng anzima and fever as high as 30 degrees.

He describes he technique and s ys th 1 g oper able caves of carcinoma of the cervix were treated in the say without any injury moreover there was local recovery of an inoperable carcinoma with rotateen rays alone A carcinoma of the cervix was incalated abdominally only and there was an un doubted deep eff ct and injury of carcinoma cells at a d tance of g cm

Cole L G Rontgenocinematography of the Stomach and Cap Am J R Ig of 9 4 By Surg Gyner & Obst

The who gives the history of attempts to produce rostigencoisematographs of the st ma h and describes in detail his own appa atus for this method of ammation He pot is out that the c'ily so-c'lled ordigencoinematography or only a mortism and the control of the

The rontgenocumenatographic apparatu is de stribed in detail a dillustrated with several cuts It con is of a film bit g mecha sm with a counter weight with a mounted under a lead

lined table in a dark booth sustable for perfect focuroscopic examination Above the mechanism and secured to the under surface of the table sylinding raish, is an iron frame which carries the exposed and inexposed films and an extra frame per mitting the use of any of the standard cassettes. With this apparatus the gastric perstaklis may be seen fluoroscopically and at any time by simply turning a crank senal rontgenograms or true disturbing the pattern. The Carlotton table is disturbing the pattern. The Thousardor states that strail rontgenography is of greater practical value in disgnosas and that rontgenocimentography is only worth while from a scientific standorn.

NE A EVANS

Doderlein A and Von Seuffert E: Further Experience with the Mesothorium Treatment of Carcinoma (U sere we teren Erfahrungen m t der Mesothorumbehandlung des Carcinoms) Mu

ch med II ch sch 1914 lx 5 By Zentralbi i d ges Gynük u Geburtah d Grenzgeb

In the past year about 180 cases have been treated in the clinic with the rays. There were many fail ures but some very significant successes Among objective symptoms disappeared in 31 cases 12 among them being inoperable. The results were unfavorable in recurrences In cancer of the rectum and breast the results were not so good as in cancers of the female genitaha Among the injurious by effects there were high and long continued fever (absorption fever) and burning and tenesmus in the rectum In four cases a rectovaginal fistula de eloped but it was uncertain whether it was the result of the cancer or the treatment yet no technique that can be applied to all cases Filtration with brass covered with silver seems better than with lead WOS ER

Müller C. Physical and Biological Basis of the Effect of Radio-Actie Substances, Especil III Mesotherium and th Possibility of Substituting Rontgen Rays for Them (Physik in the nat hologosch Grundlagen der Stralle undemg met der Instat of Mesother des 13 sohne mit of the Instat of the Instate of the Instate Description of the Instate of the Instate of the Instate of the Instate of Countries of Company By Zentralk I of ges Gyalts Columbs a Company

The author discusses the deep effect of radioactive substances. He believes that when the soft γ rays are filtered out by the use of metals of high atomic weight the value of the rearness of the source of the rays has been overestimated in the deep effect. He cknowledges the therapeutic value of the sec nd vy β rays produced by the filter as compared with the inactive γ rays (Brings althory). He adon't that he overestimated the depth of the effect of exond vy radiation it is at most z cm but there is a biological effect to a depth of z cm and cm as he formerly believed. The cell toun LOSSELDT

choline which is split off is taken up by the neigh boring tissues and has an effect. Where there are sound layers covering the tumor that must be spared rontgen treatment is to be preferred because there is danger of injuring the sound tissues by the secondary rays of radio active substances Tumors to which the radium can be immediately attached should be treated with it Metals of high atomic weight should be inserted between the tumor and the radium for the production of secondary rays He suggests the possibility of substituting the cheaper rontgen rays for radio active substances by means of suitable apparatus and tubes

MILITARY AND NAVAL SURGERY Meyer A. W. Infection of Woundain War from Experience in the Balkan Wars 1912 1913 (D) Wundinfektion im Kriege Nach Erfahrungen in den beiden Balka knegen 1913 bis 913) Arch Q14 CU1 708

By Zentralbi i d ges Chir u i Grenggeb Meyer an assistant of Wilms, spent in months in the Bulgarian War His observations are of special value for he not only had expenence in the hospitals of Sofia Philippopel and Dedeagatsch but also as an active military physician at the front. He believes with Rether that the injection of wounds is almost always primary Injuries with the smallest bullets and with the smallest openings that quickly closed up showed the severest phelgmons. The larger the opening made by the bullet the greater the opportunity for primary external hemorrhage a d for the discharge of the fluid from the wound and therefore the less danger f infection. The larger openings in the meninges pleura pentoneum and joints show a tendency to secondary infection

Bacteriological examination of the infections was frequently made. They were muxed infections stanhylococci and streptococci prevailing Ex amination could not be made for anaerobic bacteria Tetanus was comparatively rare but it was chiefly a secondary infection. The primary infection takes place from the bacterial content of the cloth As the infection is generally primary he does not think the package of dressings is of any very gre t value It is too small to thoroughly guard aga ast secondary infections. He thinks the Ger man packet of dressings is as madequate as the Russian Every soldier must have two packets of dressi as one with two large thick pieces of gauze and anothe with two long calico bandages He values the mastisol bandage, not f ts bact ricidal effect but on account of its adhering to the dressings All large wounds that are accessible to secondary infects he treats with balsam of P ru In the treatm at of infections be believes in early free incision and does not belie that much an be ecomplished by suspension and stasis

In gunshot fractures he believes in active treatment If with good fixation the secretion of put does not stop in a few days, he makes a free opening and removes the detached fragments This prevents troublesome fistulæ with repeated discharge of sequestra resection in continuity and amoutation. He does not attach much value to resection in continuity He thinks extension in guishot frac tures even of the thigh is unnecessary Fenestrated plaster casts, in his opinion are the best dressing He opens up infections of the joints, and has never seen good results from joint resection. He warms against waiting too long for amoutations

The erystpelas infections were severer than are generally seen in civil life but they were mostly due to carelessness on the part of the staff. He does not think that pyocyaneus infection is so dangerous as Von Oettingen does He believes that after the beginning of tetanus even amoutation is without result while prophylactic injections are successful tangential shots of the skull should be trephined but the patients should not be transported for two or three weeks. He treats shots I the abdomes conservatively but believes there are cases that should be operated on if the external conditions are favorable

He points out the advantage of fixation of the patient on the stretcher and expresses the sh that physicians might be better instructed in the application of splints for fractures than they are at present.

Makkas M Experiences and Impressions in %ar Surgery (Knegschrungssche Erfahrungen und Findrucke) De tok med Web rob vo 4 12, 21 By Zentralbi f d ges. Chr u. Geengeb

The author took part in the campaign as stiff physician of the Grecian army In the first part of the expedition he was in the first military hospital, just back of the front then in a field hospital just back of the beneging army at Januas and then in \$ mil tary hospital at Philippias During the second war he had charge of a hospital t Saloniki He discusses the organization of the Greek military medical service. He can see no particular difference between the rounded and pos ted bullets he found that both frequently remained in the body The number of infections he observed was slight in com parison with those observed by other surgeons dut ing this war

He does not think much of the packet of drest ings a ce few soldiers make use of t and he thinks most infections are primary carried in with dirt from the skin or bits of garments He gives a brief account of 1 615 wounds observed in be first war He confirms Zoege von Manteuffels news as to gunshot injuries of the skull a dadvises early operation in tangential shots. He treats shots of the spinal cred and abdome conservancely He thinks the total mortality of the injured in the Grecian army was not more than 4 or 5 per cent COLUMN

Symposium Sanitary Report of the Imperial Prussian Army the 12th and 19th (fer and 2d Saxon) and for the 12th and 19th (fer and 2d Saxon) and form Ore 1 1919 to Sept 29 1911 P epared by the Medical Division of the Imperial Prussian Ministery of War (Sanitatb) neht the de kompich prussicale Armer, das a und in (tum local Armer) and the control of the Prussian Control of the Contr das in (konigheh wurtt mbergische) Armee korps fur de Benehts-zeitraum m Oktober 1910 bis 3 Sept mbe 19 Bea b v d Medizinal libteilung des königlich pre ssischen Kriegsminist rum) B tim M tiler & Son o 3 By Zentralbl f d ge Chir it Grenzgeb

This exhaustive report of the health conditions in the German army contains much of interest to the surgeon because it deals with large numbers of cases observed by different surgeons in persons of about the same age and living under the same con Recause with soldiers it is pecessary to pass judgment as to their capacity for service and as to when they should be invalided it follows that not only the immediate results are given but that the cases are followed for a long time Of the cases reported 800 are luxations 4,443 fractures 303 gunshot wounds 112 operations on the car includ ing opening of brain abscesses and ligations of the jugular 74 operations for empyema 7 laparotomies r 137 operations for appendicitis 626 operations for herma 4 resections 21 exarticulations 27 amputa tions 31 strumectomies 7 nephrectom es 32 cases of opening of perinephritic abscess 47 operations for tumors and 701 other major operations

Intestinal o clusion Three cases directly due to inflammation of the appendix and perstoneum are not considered. Seven cases were operated on with one death two rendered capable of work the rest recovered but were unable to resume work 4 cases were ileu from strangulation. In three cases there was torsion of the colon and once obstruction t the flexure which was overcome by pulling on the flexure. The following were note

worthy cases I Meckel's diverticulum was the cause. The patient was a musketeer. A diagnos of intestinal torsion from an unknown cause w a made Six hours after the bega ming of sympt ma operation was performed I test an oblique incision was made in the remon of the excum nd is ge on names of a turbid watery fluid were discharged. There was kinking of the appendix which contained a feeal fistula. The append was remoted. As several coils of small intest ne we e completely collapsed they were f llowed up Forty centimeters have the excum a looplike const seting b d wa found which proceeded from a loop of small intestine and e ded t the umbilicus a part of the small intestine being cut ff by it The cord was removed and proved to be a Meckel's diverticul m. The di erticulum as far as the middle of it w a cavity lined with mucous membrane from there o twass connective tissue cord lifter closure of the abdominal wall, the patie t was capable f service

2 Another case of lieus caused by Meckel's diverticulum

3 A man was run over by a hay wagon Opera tion performed 26 hours later disclosed volvulus of the small intestine on its aus. The volvulus was untwisted and the patient was able to return to

Cunsket wounds In all there were 393 cases of which 41 injuries with pointed bullets are of special interest 33 of them being suicides 3 attempts at suicide and 8 accidents Of the suicides 23 were shots in the head o shots in the breast and one shot n the abdomen Although the shots were at close range in 8 cases the opening at which the bullet entered corresponded to the caliber of the bullet and in one skull shot the exit was smaller than the entrance. Those cases are noteworthy in which whole sections of the brain were discharged through the wounds One case was a shot in the occinut one in the chin and some - the number is not given were shots in the mouth

The first case seems typical The shot entered 316 cm behind the right car crushed the left half of the head and forced out the brain so that only the cerebellum remained There was extensive destruc tion of the skull A similar case was one in which the shot passed obliquely from the right posterior ly to the left anteriorly and swept the eve out of the Among the miuries with pointed bullets only the accident cases survived among these there was one shot in the head at 1,000 meters distance The shot passed through the skull and caused only a compound fracture of the frontal Two cases were fractures of the thigh at 300 meters distance

the rest were slight injuries of the soft parts Among the 88 revolver and pistol shot wounds there were 48 deaths 43 of them suicide Two cases are cited (1) A shot made an oblique oval opening in the right temporal. It passed from the left ylvian fissure toward the left anterior central con volution to the surface of the brain recoiled from the skull passed at almost a right angle downward and backward in the brain and stopped in the mid dle of the third left frontal gyrus (2) The shot entered the right temporal passed obliquely through both frontal lobes rebounded from the left parietal and was found in the left cerebral cortex 22 injuries with Tesching's and Flobert's bullets there were 2 deaths One was a shot in the head in a suicide case the other an accidental shot in the breast The Tesching bullet penetrated the lungs the perscardium the left pulmonary artery the left auricle left pulmo a y vein and descending aorta The wounds in the vessels and lung were irregular slits og cm long One hundred and fifty-eight injuries with blank cartridges are reported Of the 30 deaths 38 were suicides 21 were head injuries 11 breast and 1 abdomen

The report hows clearly that the effect of blank cartridges at close range is terrible There was total destruction of face and skull and of parench, matous organs of the body cavities and extensive laceration of hollow organs such as the traches and esophagus and the gastro-intestinal canal Surgical operations were undertaken in some cases but they were un successful in all but one. In this case there were only small openings in the stomach and duodenum The felt wad was at the root of the mesentery The man was able to re-enter service The thoracic wound of a suicide was especially interesting. The fourth and fifth costal cartilages were splintered the lungs and perscardium were not insured but the latter was filled with blood because the right suricle was ruptured and the anterior cusp of the bicuspid valve torn away In the shots at close range there was an exit in only one case In a blank cartridge shot at 10 cm distance there was a compound fracture of the forearm while in shots at over one half meter distance there were no severe injuries to the skull body cavities or soft parts. It is signifi cant that among the numerous blank cartridge in junes there was not a single case of tetanus although prophylactic injections for tetanus were given in only 18 cases This shows the salutary effect of the army regulation made in 1903 that the wadding of the cartridges should be sterilized with steam before

being used Contisions of the abdomen Among 26 cases 16 of which were operated on there were 5 injuries of the intestines—three fatal 2 cap ble of service 5 injuries of 3 andies of the pleen—o fatal 1 capable of service 5 andies of the three capable of service capable of service injury of the respection and great omentum—capable of service injury of the mesonel conton and great omentum—capable of service. In

14 cases the cause was a kuck by a horse one rupture f the spleen was caused by a fall a the corner of a stool and another by the patient catching his side arms in the spokes of a wheel and being thrown

to the ground

The follow g cases are of nterest

Let Authority the control by a suggest as not operated upon at list. On the elecent flex algority was performed two and one half hiters of flut d from a hematoma were empited from the abdomen one half hiter of blood a d balt ry flutd from the ught pleural cavity was released by puncture. After that several punctures of the right pleural cavity were made and bela hef and was empited out. Twenty two days after the accudent a second laparoscopy and the control of the co

on the right and a large cavity of the lobe of the liver opened which contained three fourths of a liter of harmatoma fluid the opening communicated with the thoracic cavity through a tear in the da phragim. The national recovered.

2 The patient suffered from a lack in the ngh kindney region. On operation the upper pole of the kindney was found almost completely separated at these were several deep team in the lower one said the kindney vessels were ruptured. Nephrectony sa performed and a tear three can long in the daphram was sutured. Death occurred after sar days there being symptoms of urzemia. On autopsy it was sent that the left kindney was absent the left interior with the left kindney was absent the caled as hind rough. Ten from the bladder and cuded as hind rough.

another patient was injured by a lance that had made an opening 2 cm long in the duodenum. The opening was sutured Recovery followed

In spate of the very severe degree of their inputs, 6 of the patie is were capable of reentering service

Podesta Military Marine Statistics of the Japanes San tary Service in the Russo-Japanes War Translation of the Japanese Sanitary Report (Manuelrathich tatistinche Retrictingen des juniches Sanitations in russen japanen en knege hach den Übersetungen des junichen Sanitatisten itale? Veriff J & 65 d

Marine-Santialsu 9 4 viii, 3 By Zentrubl f d ges Chir u Grengeb A historical a distatistical report is give showing that many died f om injuries from mines and many were wounded from shots on the one hand and les died from sh ts and few were injured from nunes on the other The effect of the mines was de dly both qualitat vely and qua titat vely of the shots on th contrary only quantit tively A troughble appliance with a double curve made from light papier maché as recommended as a means of transportation It is made in three sizes Hammocks are provid d to prevent drowning. The author proposes that the haversacks be provided with this n terproof silk or rubber covers in order to keep their contents dry and to add to the contents a flannel garment package of dressings, nd a sup ply of food. In order t make it possible more easily and more frequently to save the firemen and others who are enda gered by the sudden collapse of manecessary th t information of the chine guns it threatened disaster be given early Zun Verns

GYNECOLOGY

UTERUS

Jansen H: Vijoma and Carcinoma of the Body of th Uterus (Myom u d Korpuscarcisom am Lteru) We tick f Geb risk # Gy al 014 ATZ 30

By Zentralbl I d ges Gynak Geburtsh s d. Grenzgeb

The earlier idea that a carcinoma may asise from a fibroma of the uterus has been proved false The author believes from research by Hitschmann and Adler Iwase and Frankl that my oma may influence the origin of carcinoma of the body of the uterus in the sense that my oma may produce changes in the endometrium that favor the development of car cinoma The myoma does not produce glandular hyperplasia of the mucous membrane which can be regarded as a prehimnary stage of carcinoma, as has often been assumed The hyperæmia of the endo metrum that always accompanies myoma is the essential point. It is the expression of a state of chrome arritation which with the add tion of other predispos ng and thus far unknown causes fa ors the development of carcinoma of the body of the uterus The statistics from autopsy material are more important in the settling of this question than pathological anatomical in est gations

In the course of 18 years (1895 1912) at Mellin s Samtanum there were 450 cases of myoma of the uterus 306 of which were operated on and 13 of which were complicated with carcinoma of the fun dus that is carcinoma was found in 28 per cent of the total number of cases and in 4 25 per cent of those operated on This is somewhat higher than the earlier tatistics (Popuand 5 per cent Winter 12 Haulstein 4 and Martin 38) The proportion of carcinoma 6 the body to carcinoma of the cervix (according to Winter 1) is very ma kedly n creased in the myomatous ut n nf vor of carcinoma of the body (W nte o ; Halla er o 38 hruge 125) The autho omes to the conclusion that myoma undoubtedly fa ors the development of carcinoma of the body of the uterus

Werner P Carcinoma in the Uterus and Adness at the Same Time (Ube gles beet ges \orkon men on Carcinom in Ut rus und den Adnesse)

Arch f G & 0 4 7 5 By Zentraibl f d ges Gynak G burtsh. s d. Grenzgeb Billroth's dem nd fo a certan di gnosis i mul tipl primary t mors is too exacting multiple primary tumors do not necessarily has a different structure the matrix of the individual tumors can oft an longe be distinguished and it is m possible to ala) determine the metastases for each tumo The author concept on of metastases is the s me as th t of Schottlaender

The report for 5 years at the second gynecological clime included 15 cases in which the uterus and adnexs were carcinomatous 10 cases in which the tumors were derived from another 3 in which they were independent and a doubtful cases

The cases were as follows (1) Primary papillary carcinomatous cystadenoma with retrograde metastases in the uterus (2) Papillary glandular car cinoma of both ovaries lymphatic metastases in the myometrum metastases in Douglas pouch (3) Papillary carcinomatous cystadenoma with metastases apparently from implantation, on the wall of the uterus yet their lymphatic origin was afterward demonstrated (4) I apillary glandular carcinoma of the right overy and undoubted implantation metastases on the uterus (5) Carcinomatous glandular cystadenoma of the ovary involving the uterus by contiguity (6) Carcinomatous papillary cystadenoma on the right with direct problerations on the tube the uterus and the left ovary (7) Flat epithelial-celled carcinoma of the cervix with lymphatic metastases in the left tube (8) and (0) Adenocarcinoma of the body of the uterus with transmission to the tube by continuity Carcinoma of the body of the uterus and fungus tumor in the ampulla of the right tube which was regarded as a true mucous membrane metastasis since no lymphatic dissemination could be demon strated (1) Carcinomatous glandular proliferating cystadenoma in the right overy a papil lary cystadenoma on the left and an adenocarcinoma of the uterus \o carcinoma in the blood or lymph vessel (12) C reinomatous papillary cyst denoma of the right ovary and the right tube and beginning flat epithelial celled carcinoma in the cervix (3) Exophytic adenocarcinoma of the bods f the uterus and carcinomatous papillary cyst adenoma partly pseudomucinous of the right ovary (14) Exophytic caremoma of the uterus and adenocarcinoma of the ovary with abundant proliferat on probably independent of the other but of almost the same structure (13) Adenocarcinoma of the uterus and tube probably independent but

one of the cases was diagnosed as a double tumor R SCHRÖDER

not certainly so

Veit J Principles of Our Treatment of Cancer of the Uterus (Gru datize unserer B handl ng des Uteruskrebses) P ht Ergeb d Geburtsh w Gynat 9 4 v1 49 By Zentralbi f d ges Gynak u Geburtsh. d Grenzgeb

The operat on for cance of the uterus should be himited to those cases that are favorable in every 277

way But it seems that even these if irradiated with sufficient material can be cured in about the same time as by operation. In Germany there are no cases showing permanent results from freaduation after five years or more but some I rench authors seem to have such results. The quickness and sure ness of the recovery in cancer treated by irra hation i pen is on the amount of radio active material ava lable and on how early the case is treated Failures are to be explained by the fact that un suitable cases are treated. Cases in which the general health is involved to such an extent that there is marke I cachesia should not be treated. It seems possible by irra hate n of the primary focus to obt in retrogression in the lymph gian is The irra li tion of swollen lymph gl nds without irra lia tion of the primary focus does not seem to produce any result **\DOLPIL**

Weinbrenner G.: Treatment of Genital Car cinoma with Mesothorium (Doc B handi ng der G takur nome mt Mesothonium) H ! h f Ch lh Cy th, 1014 Nt 13 B) Amitalli d ges Gyalk in Geburch at Gersageb

The work contains a further c nitrotution to the experience with mesofrourum irratment. The author report 32 carcinomate and 3 cases of limate tench kmon they which be tracted from July 10 Dec 1 1013 with 142 mg active rad um I remide distributed to et an area of 120 sq mm be of the most successful cases are described. Regularly after an hirradiation there was a fall of about 1,000 000 in the explority of the second of

The changes which appear so soon in the vissels cause the autho to attribute the quick. hanges in the parenchyma of the cancer to the direct effect of the irradium in causing disturbances of author in the vissels of the region. In one case, the control of the control of the disturbance of authors in the control of the disturbance of t

lon Graff E. Fflect of Pregnancy on the Growth of Malignant Turnors (Ube den I salus der C dutta i d Mach to miger Turnors) H M Hei sek 19 4 220 7 By dentable i diges Grafta & Geburiah a d. Crenzgeb

The ultritude is the system of
pregnancy on the late results of radical operation is cancer of the uterus even clinically is not yet unanimously decided REVO Worst

Béclère: Röntgen Trentment of Visomata (De Rontge therapse der Myome) Sirahi nibras

tore 1 tot 1 tot By Zentralbi f d. ges Gyntil. Geburtsh z. d. Grenzeb

The treatment was tried on 6 n apalpable myomata with hamorrh ge 60 myomata with harmorrhage besides 3 with normal menses and 2 who had passed the menopause in 36 the turor could be fit above the pelvis. The ages vaned from 30 to 50 years. The results were Appear ance of the menopause and marked decrease in the size of the tumor In a cases there were no results. The author believes that the contren rays affect the fibromatous tissue itself as the decrease in size pre ceded the appearance of the prenopause and mismata developing after the beginning of the mesopause decreased up les rontgen treatment. In each patient a strip of skin 1 cm broad in the median line was protected in case future surgical operation shoul | be necessare

Causs C. J and Krinski B. Mesothorium Trest ment of Myomata and Metropathies (De Mesothorumbehandlung de Myone und Metropathen) brakkenher p o 4 4 49. By Zeutzubl f d ges, 67 nžt. Gebursh s. d. Geougel-

The authors assumed that only the gamms rays of radio active substances were effective in grace-logical deep irradiation and carefully carried out as mal experim rits which confirmed their hypothers. The same thing is true as to the effect of both

radium and me-orhanum on the femile gentals. The ba te i the of the authors is to use the higher possible dose in a unit of time so long as that a possible without burning the health; timed band, of the pains in that is there; them does of the notice proparation is biologically measured out to the server proparation is determined as the proparation on determined as a most that, covered with a thick enough layer rubber: on a secondary ris. This is placed as the gins 2 or 3 times for 2 hours and then a mill the control of the proparation of

th gan 2 or 3 times for 24 bours and then arm of two and one hall to three weeks is given to work the court of the arm of the court of

The combunation is very useful in cases where recovery is also with routigen treatment alone. The injurious by-effects are discussed violuting slight dather does not recovery as the close of the treatment tenesmus of the bladder in only two per cent of the cases no severe injury to the usues when the right filtration was used. In markedly aneuro patients the danger of thrombous may be avoided by rest in bed during the treatment mats and metropartients as given the preference in such mats and metropartients in given the preference in such mats and metropartients as given the preference in such mats and metropartients as given the preference in such mats and metropartients as given the preference in such as a
Roy J E. Abscesses of the Wall of the Uterus and Their Treatment (Les collection a pources de la parot uterne t leur traitement) Tk s d doct Pa tot4 By Jou al de Chrung

In 1906 41 cases of abscess of the wall of the uterus were published Roy adds several new ones These abscesses are generally located on the posterior surface of the uterus or in the region of the cornua They may develop toward the mucous or toward the serous covering in the latter case involving the danger of serious peritoneal complications etiology may be puerperal infection gonorrhors or traumat sm The symptoms are variable and not very characteristic Abdominal pulpation gen erally reveals pain over the uterus an abscess of the vaginal portion will be revealed by the speculum sometimes the finger introduced into the cervix reveals a submucous abscess B manual examination may show an abscess, co existing often with an increase in the size of the uterus Diagnosis is almost imposs ble Pyosalpinx is generally diag

Utente abscess may often be prevented by seepsia duning and after labor and by reducing the number of obstetrical examination 3. After they have developed they can rat ely be excessed through the viagons. Vagnal hysterectomy in such cases has preven a mortality of 15 per cent. Laparotomy is to preven a mortality of 15 per cent. Laparotomy is to make a seep a constant of the seep and the seep as the

Adler L. Causes and Treatment of Humorrhage of the Uterus (Über Ursach und Behandlung von Uteru bi t gen) Med Ki Beri 19 4

By Zentralbl i d ges Gynak Geburtsh d Grenzgeb The source and cause of the bleeding should al ways be determed if the purpose of deciding upon

treatment. An accurate history is more valuable than physical findings especially in extra uterine pregnancy. The history is less valuable in cases where instead of the meases or before the meases a slight hemorrhage extending over a long time appears. Conservative treatment must be rejected in extra uterine presentor.

in extra utenne pregnancy
The author then reviews his and Hitschman s study of endometritis Glandular and interstitual endometritis alone do not cause hemorrhage the adness especially the overy must be involved, or there must be retrodeviation of the uterus. And in chronic metritis the menses are apt rather to be scanty there is no characteristic hamorrhage fact that the overan function regulates the menses that in adnexitis there is irregularity of the menses only when the overy is involved that oligomenor rhora occurs in atrophy of the ovaries and cessation of the menses after castration lead to the conclusion that severe hamorrhage must be dependent on disturbances in function of the ovaties A polypous hyperplastic uterine mucosa or atony of the uterine musculature may favor menorrhagia. Its appear ance in chlorosis Basedow's disease Addison's disease and myxcedema is probably due to dis turbances in the internal secretion of the ovary In many patients the congulation time of the blood 19 also increased

The hypersma of the pelve organs caused by sedentary life corest constitution and mastur batton causes menorhagas rather than metror rhagas. It is well known that dust bances in menstruation may also be caused by psychic stim dustion general due sets and circulatory desenses. The change in the conception of menstrual disturb ances has influenced treatment.

Curettage should be employed only for the removal of remnants of abortion as a means of dag noas for suspected malagnancy and for polynous benigh hyperplate caucus membrane in gonor threat endometrins curettage is useless and even dangerous especially if there are inflammatory tumors of the admens of pullative treatment fails and the harmorings does not stop radical operation the harmorings does not stop radical operation dangerous. In the harmorings of the polynomial dangerous. In the harmoring there put cure tage does not stop the blecking there put cure have infantle userus or status thymolog implantious and other treatment as required.

The menses are often improved in the mesoposites and my young grie by rest in bed, change to a high altitude chalybeate baths rough food and ergot four mouths and material of a cen of pittuth subcutaneously for five days is effective three to four mouths adm naturation of maintain every all congulations and material chalums is useful only if congulation is defective and an about the evoded on account of anaphylaxus and though the rough of a sa last resort. The routigue treatment of the used only in carefully selected cases. There should be constant control by a gynecologist of all cases of myonine or other gental hierorrhages

treated by rönigen rays Radium treatment can not yet be recommended for humorrhage from benign tumore.

1 or Millers.

Clark P S Giandul r Extracts in Menetrual Disorders. Cl. 14 c Chicago, 1914 2223 256 By Surg Gyner & Obst

This paper is bried upon experiments which have been carried on in the use of the extracts of some of the glands of internal secretion at Hahnemann Medical College

Formerly it was beheved that the relationship between the different functions of the genital organs with each other and with numerous other functions was due exclusively to the central nervous influence It has been proven more recently that the general organs influence the development and function of d stant tissues and organs chiefly by means of their internal secretions are hy chemical agents (hor mones) Thus to meastrustion the granes secrete into the blood certain substances (hormones) which cause a congestion of the uterus and its mucosa the sterine glands in the presence of hyperemia begin to excrete their mucus and this mucus con tains a digesti e ferment trapsin. The traps a containing mucus flows out onto the surface and d gests off the superficial endometrium - the socrited swollen cell layer - the smaller capillanes are also opened an i menetruation takes : lace The trypsin content of the mucus mixes with the blood and lestroys the f bringen bence normal menstrual blood does not clot

The influence of the internal secretion of the ova ries upon the breasts and thereil gl n i is reviewed Amenorthma or scanty menstruction due to functional macti its of the ovaries, to ovariotomy to \ ray influences or to destruction of the ovarian function by infectious diseases and accompanied by the mainfild disturbances of the nervous and circulatory systems which usually result from the absence of the hormones are all benefited or entirely reheved by the administrati n of ov rian or lutein extracts. In a nom n 26 years of age whose uterus tubes an losaries w re removed on account of the results of severe inflammatory disease one of the ovaries a a transplanted into the cellular tissue beneath th breast It is too en ly to state just what the results will be but the hope is to preve t the artific al menopause with it cardiovascular storms atrophy of the ul a and vagina and most of all the mental changes which at times lead these

patients to nucció or th insane as jumo. The woman who is gri tudil galining in neight whose menstrual pe soi are farther apart and more scurty and who is and thy one secretion. The role of the secretion of the seconomic of the secretion of the secretion of the secretion of the

In m ny cases of perversion of the internal secretion it is necessary to resort to the therapeutic test hamely to administer first one and then the other of the estimate usual it is determined which initiated. Vany cases of so-culled neumathens are due to hyperthyroidum secondary to samm m sufficiency an i the use of luteix or owners extract offers as some cases a good prospect of benefit. The disturbiners of the circulation and of the med and of the berevous system occurring at the mesopose, of the berevous system occurring at the mesopose, of the berevous system occurring at the disturbined of the description of the

Cases of menorrhagia and metrorrhagia without anatomical basis are benefited at times by the we

of lutein extract

The we of mammary extract has been tred also in some cases of menorrhaga and metorrhaga, and at times with marked results but in others normalis wit some or The question whether the management of the proof of the

If it is a fact that menstruction can be postpored in many cases by prolonged lactation, it ould rather point to any 1 mal secretion from the breasts

Schröder R: Condition of the Uterine Mucous Membrane at th Time of Men trustion (Ther da Verbalten der terussehle mhant m de Zeit der Men tru tson) Meng h f Geburik

Zeit der Men tru tson) Mond h f Geburish u Gv 4h q 2 t tx 3 By Zentrallil f d.gen () nuk Gehurish a. d. Grenageb

This follows the uthor atlas The normal cycle of the ut tine m ou m mb a I takes up the of whethe there is a decharge of the mucou membrane i menstruation ad if so to what extent The material i described in d tail. The thickness of the muc. m inbrane during the intermenstrual period is ma kedly increased over that of the post m ust ual period. For the last few days before menstru tion there i a defi ite disser a rato compa t pongs a d basal layers Shortly before th beginning I bleed ng there are figures showing the di nt gration of nucle and leucocytosis During the arly part of the bleeding the compact and la ge part f the spongy lay t are destroyed partly by autolysis and partly by phagoes tosts

The beginning of the disint gration from the net and os, as described by Wilhams could not be demon trated P the same influences that ne corpus luteum at the parameter of the corpus luteum at the corpus of the network of the networ

no marked inflammatory changes in the mucosa the stages of the cycle progressed in about the

same way

Schroder lays great stress on accurate data there are individual variations in the agreement in time between the anatomical and chinical menstruation but the difference in time is short. In order to avoid post mortem changes the material in all cases was fixed during or immediately after operation As a result of the trauma in curettage subepithelial hæmatomata could be found at all stages of the cycle Schultre's oxydate reaction showed that pyknosis was the result of disintegration of glandu lar epithelium and stroma cells, and not of the destruction of wandering leucocytes The regen eration forms of the remaining epithelium and the clearly demonstrable reconstruction of the surface indicate a preceding loss of mucous membrane There is a diffuse infiltration of leucocytes through out the mucous membrane with the exception of the deep basal layer Micro-organisms were never demonstrated and the infiltration of leucocytes was seen only at the time of menstruation. Substances set free by the beginning disintegration of the mucous membrane or biochemical processes in the cells probably have a chemotactic effect on the leucocytes

Bandler S W. Constitutional Dysmenovacana V 1 W J 19 4 xxxx 96 By Surg Gynec & Obst.

This article is essentially a discussion of the interrelation of the secretions of the overage the uterne luning, and of treatment for d turbed balance of these relationships

It is Bandler's belief that the idea of interrel tion and antagonism between the overy and the thyroid appears to be generally accepted

He says the reaction of the a dividual to the premenstrual cumulative influence of the ovarian secre tion follow different types Some have no warning of approachin menses some has e local phenomena only and a goodly proportion have a constit to nal reaction of either irritation or depres ion. The reason fo these different types are to be foun I in the character of the overnan secret on in is relation to other secretions d in the sensiti eness of the nervous organism that is be ng played pon While in some women the thyro d is scarcely stimulated t all by the overren secretion in others the slight est ovarian premenstru | ctivit is at once followed by a response of the thyroid in the form of act all or rel t e ov ractiv ty. The react on of an indiv lual rel t e or ractiv ty. The react on of an indiv lual to the premenstrual phase is a fair indication of the

sensut ness of that patient a n rous system
Threedig memopause constitutional dysmenor
there becomes frequent. Whateve the cause the
administration of thy role destruct may serie as an
d to dugnows: In the case of hyperth roud an
the premenstrual nop aces will be accentrated
where n a hypothyroid or hyperovan n type is
would be a pectific Some of the hyperthypoid

cases absolutely require opium or belladonna for their typical extreme restlessness

The author believes that the instability of the relation which the thyroid bears to the ovaries and uterus makes the thyroid more susceptible to the causes which produce these same diseases in a

far smaller proportion in men.

The monthly play produced on a woman a nercous system by the premenstrual ovaran stimulation causes either of itself or in many cases, through an exaggerated response on the part of the thyroid a group of nerve phenomena like those in hybrodham to which may be given the term constructional dyamenor/trea Bandler classifies these putents under four types (1). The phenomenatic play of the production of the production of the control of the production of the production of the (2) those that change from hypo- to hyperthyroids as at the menses approach and (4) a very common at the menses approach and (4) a very common

type of mild hyperthyroidism.

The author believes that alcohol coffee tea iodides and areanc stimulate the thyroid and that it is quieted by rest freedom from sexual stimulation correction of pelvic congestion and pains, mild diet ergot gri-cerophosphates and especially

bromides opium and belladonna

The utenne hung acts on the ownres and is acted on by them If mentration can be stopped and in these patients the ownres be left the ower secretion of the ownres and the cyclic response of the thyroid seem to be markedly weakened and usually removed and the reaction of the ownres to the endometric hommons is done away with In a untable lhysterectiony is Bandler's final choice

The effects of the hypophysis on the sexual apparatus the author believes to be very slow and not cyclic E A Bullano

Thwaits J A. Haemato-Therapy in a Case of M norrhagia of Puberty Med J S th Afra a 9 4 12 3 By Surg Gyn c & Obst

The author reports a case of menotrhagua oc curring in agrid i 5 During the previous au months the patient had not been free from the loss of blood longer than 8 days at a time Uterine drugs had been administered without effect. Rectal binan ual examination revealed no pelvic abnormality

Ten cubic centimeters of human serum from the patients mother were given subcutaneously. Im med ate improvement resulted. After an interval of 12 days mentituation returned and lasted 8 days. On the second menstrual day 30 ccm of serum were imjected since which time the patient has been quite normal.

\addry B Fascia Lata Implantation in the Treat
ment of Genital Prolapse in th Fernale
(Fasc lata Implantation zu Heining des blichen Gental prolapses) Z ni albi f 67 zh 10 4

By Zentralbi f d. ges Gynäk Geburtsh s d Grenzgeh.

Adory recommends the implantation of a strip of fasci in the place of the wire ring recommended HCYPRIL

by Freund in recurrence after prolapse operations and in old somen instead of total extirbation. The procedure is as follows A strip it cm wide and as cm long is cut from the fascia lats of the thigh and the wound sutured The strip of lascia is kept in warm physiological salt solution A slightly curved not quite blunt needle is inserted in the taphe of the penneum near the lower end of the wall of the vagina and is carried unward along the edge of the right laboum minor until it comes out below the bulb of the arethra The strip of fascia is drawn through with silk threads The same procedure is repeated on the other side The two ends of fascia are then crossed and pulled upon until the entrance to the vagina seems narrow enough and then they are fixed to the vaginal wall

Nidsoy recommends as an improvement on this method that the ends of the fascia be crossed and with the sid of a Bumm hebosteotomy needle farmed up-along the posterior surface of the symphy as and both ends fastened in the skin of the most nearest Tabs forms a figure eight. Recently he has experimented with substituting the fascia from such to fascia from the patients it high. This was cuttle for fascia from the patients at high. This was cuttle for fascia from the patients at high. This was cuttle for the substitution of
Weibel W Operative Treatment of Recurrences after the 80-Called Vesicovaginal Interposition of the Uterus (Dr. operat i Behandlung der R aduve hach der oog Interposito ten vesicovaginals) Zentralbi f Gynth 013, 273 u 808 By Zentralbi f d. gen Gynth u Geburts a d Granged

Recurrences occur after vesicovaginal interposi tion of the uterus either from the cerviz moving forward under which condition the body of the uterus may of may not be loosened from its fixation or from the fundus of the uterus falling forward The cause of the first condition is relaxation of the sacro-utenne bgament and a weak permeum. The cause of the latter is poor first on of the fundus relaxation of the ant nor vaginal wall and a weak permeum 4 simple permeorrhaphy is insufficient for treatment Formerly the sacro-uterine ligaments were shortened by the abdominal route and a permeorrhaphy performed Now after dissecting the vague from the uterus and shortening the sacrouterine ligaments againally or better abdominally the uterus is autured into the cleft in the levat r by TI AGVER Rertheum a new method

Lenordant C and P it Dutallia, D Iffah Am putation of the Gerrit Combined with Cal pertomy — Boully s Operation—in the Treatment of Prolapse (I. amputano ha t du col ucira comb és 4.1 cofoctome — opératon de Boully — dan le rantement de prolapsing sintator) J J Air 94 xu 4 3 B, Surg Grace & Obst. This operation is a dicated in cases of pre apse

with elongation and hypertrophy or inflame tion

of the cervis It compares a supra-agand suayation of the cervis a cohectomy of the auteurs all of the valgma and a posterior coloporatore in It overcomes the hypertreply of the cervis sulcauses a certain degree of involution and strophydthe body of the uterus retracts the enlarge wayboth laterally and anteropostenorly and reconstructs the persues support of the grantia. In addition to the usual preparation at a o'ter advantageous to do a curettee.

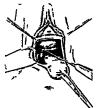
First sleb The cervix is seized by the antenor hp with traction forceps and drawn as far as possible outside the vulva which has the effect of stretching the exuberant anterior wall of the yagna Four grasping forceps are attached to this anterior wall to mark the corners of the flap to be resected these forceps should be placed carefully (Fig 1) The two lower ones are attached to the cervix stell at the insertion of the varinal wall near the external orance exactly at the union of the ant morand postenor semicircumference. The two upper ones are placed directly above them and about a finger's breadth below the unnary meatus 11 th the post of a histoury a transverse incision is traced passing below the two lower forceps then two vertical 12cusions are carried upwards from the ends of the outside the forceps up to the upper ones so that a large rectangular flap is marked out includes almost all of the anterior wall of the vagina This flap is then dissected and separated from the antenor surface of the uterus. This disection is facilit ted by traction on the two loner forceps Below and on the sides the dissection is performed with scissors care her g taken never to lose contact with the uterine tissue then when the place of cleavage between the uterus and bladder is reached the dissection can be finished with the fi ger covered with a compress The dissection finished, the neck f the uterus is denuded to the isthmis and the flap holding only by its base can be lifted the bladder can be seen adherent to its under sur

Socional 19 The flap is held with forcers and the bit dofe separated from its under surface. This expertation 1 secomplished with arisent some circumstry to a road injuring the bindder but there is no serious difficulty. It is accompanied by moderate benorthage which can easily be controlled by pressure or if necessary by applying forces to a few arranjes. When the bindder it completely freed and pushed up the bindder completely freed and pushed up the bindder could be completely freed and pushed up the bindder could be completely at its have below the two upper the country of the cou

Third step It is advantal at this time to begin the crivical branches of the untrue nivty on each aide. They form a group of three or four small acterus spraching out in a fain shape on the sides the crivia sind the d in of the vego the theory and the d in of the vego the foully in Levery d not make this a separate step i the operation but a see them and liquis them a they are cut whill the criver is being simputated







d Petit Dutails) Beginning (Lepormant

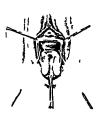
of first tep The cervix is drawn down fou forcers math the corners of the a terior aguing flap. The dotted line thnes the fl p lig 2 (Leporm t and Petit Dutaillis) End of the The divection of the anterior agunal flap is completed the flap lifted le ving the cervit denuded

but it seems preferable to ligate them en masse and proceed with the cervical amputation without hæmorrhage. The uterus is pulled toward the opposite side a narrow retractor inserted a curved artery needle threaded with o r catgut passed under the whole group of arteres and the fibrous tissue which sur ounds them and they are ligate!

th bladder is adherent to the under surface of the flap Second tep. The bladder is separated from the interior

Fig 3 (Lenormant and Petit D tailis) Third tep section of the bladder and resection of the terror vagu nal flap are finished the needle s passed under the cervical branches of the uterm rtery on the sides of the cervix

Fo th slep With two cuts of the scissors the cervix is split into halves an anterior and a pos terror then the anterior one is detached by transverse section at the isthmus if the ligation of the cervical arteries has been correctly performed there will only be insignificant harmorrhage and the slight oozing which still takes place will be complete ly stopped by the suture of the vagina to the cervix



en m 13c





I g 4 (Lenormant and Pet t D tailis.) Fourth ten be versual branches of the uterine are ligated on ea h side d the imputation of the nterior hip of the cere is accomplished the first thread of the terior ginoen uni suture is passed.

Fig. 5 (Lenormant and Pets Dut illis) Lind of th fourth tep. The anterior aguiocervical a tre funished Fig. 6 (Lenormant and Pet 1 Duta liss) Begans got the fifth tep. The posterior lap of the cervis is held up the lorence the dotted line shows the posterio lincinon.

but it prevents their development which results in absence or great rarity of cystic follocular atreass these formations were found in overies functioning normally absence or rar ty of the corpora lutea of atresia absence in women who hed young an l ranty in the more aged absence of the corpora lutea of menstruction in all the cases absence of fatty inclusions in two corpora lutea of pregnancy found in tubercular patients

The d elopment of the interstatial gland as carreble in presents with fil roma with respect to the number of folls ular atresa and the presence of the corpus luteum of men trustion. The corpus luteum of menstruction may be double. In six cases at was lacking entirely. In five cases there was one corpus luteum in one of thise cases th woman had had a un lateral ovariotomy if y are before In one case there was a corpus but um in each overy in necase two corpora lutes in the same These differences bear no relation to the age of the pritients. These facts do not accord with the theories that assume that the m tur follicle ruptures regularly 12 to 14 days before the men strust period If one a sumes a relat on between oxulation and menstruction there may be some justification for refusing to accept such facts of served in to thological organs but there seems to be no reason for assuming that the presence of two cor port lut a w a lue to the dev lopment of the fibroma as Pillet thinks for in some cases there was

no corpus luteum There is no doubt the tibe ovaries place part in the uterme harmorthuge observed in cases of fibroma C ses of cure of the hemorrhage by lifeor is overa tion proves this. The fact that when one or two cornora lutea were present the menses were regular and when there wa a corpus luteum they were irregular ten ! to show that the ovary h sa regula ting action L Ca MER

klemperer P Interstitial-Celled Sarcoma of the Orary (I'be d Z schenzelleark m des e th And O rs) B (alle I ath Jens

2914 ĺ Its Zentralbi f d ges Cynäk u Gebuttsh d Crenzgeb

Three cases of round celled all color succome of the o ary one in a patient of 14 and the two oth roin nut nts 10) ars I age were very simil r h totesticle. In the third case in which ovarian ti we was still present there was no well-define I boundary I ne between the tumor-cells and those f the theca interna while so far as this was histologically noss ble all transits a forms between the two L ads of cells could be recognized

Aft r rejecting other xplanations of the origin such as endothelioma and u ilateral de elopment of tissue elements from a teratoma klemperer concludes that it was a probleration of the cells of the theca intern which are analogou to the inter titial cells of the testicl In such ovarian sar comata there are frequently anomalies in sexual development and even pseudohermaphroditism is mut with with relative frequency. This would seem to confirm the hypothesis of those authors who believe that the internal secretion of the inter stitial cells has an influence on the development of the secondary sexual characters

Lendon A A Hyd tidiform Mole with Lutein Cysts of B th Oraries Hysterectomy and Double Ovariotomy Amirela: If Ga 9 4 By 5 og Gymec & Obel 2 50 451

The author reports a case of vesicular mole in a womin 20 years off 14 months after ber first normal labor The tumor itself showed no un usual macroscopic or microscopic findings but the ovaries appeared as two polycystic hodies each measuring 15 026 cm. The cysts were multiple but not multilocular The walls of these cysts were made up of cuboidal cells id ntical with those found in the normal corpus luteum Granting that these are lutein cyals, Len ion a ggests three hypotheses as to their origin and personally incl n a to the last theory (1) That the mult ple cysts represent a malignant dissemination though both ovaries of lutein cells form a single lut i cyst these cells have tak n on active growth ind have reproduced the cystic character of the original neoplasm (2) That most of the grashanf list in both varies have been acted upon by some influence whi h h caused them to levelop a to lutern cs ts (a) That the res dual cells from previous corpora lut a have been stimul ted int activity has rapidly reproduced and that the resulting new growths are the lutern casts in question

CARRY CLUBERTSON

I Ipschitz, k A Case of Primary Carci oma of th Tube Developing after an Old Tuberculosis (F F II on pr marem Tubencarcinom I dem Realen liter T be 1 low.) Monat h f Geb 1 h

Gyndt 014 XX 1 33
By Zentrallel I d ges Gynak Gebart h s d. Grenageb 1 44 year-old null para in a moderately good stat of nutrit on compla ed of pain in the b ck and abdomen and a sen ation of sinking. The uterus as found fixed a retroposition the daexa not sen tilve 1 I gnosts was made of myom I the teru with adhision 5 pravigi al imputation of the uterus w s perform d and the adner and both broad lightments were removed. The terus was a large as a sm II fi t studied with tramural nodules of myoma The right t be t th mpulla passed into a tumor the s ze of a h zel ut scopic fly on section of the tube typical tuberties the muscui n u te lou d affammation we re tou a nummation the numeric of the deep t saues shightly attypical epithels I prolifer t on Section through the m d lit of the t m showed the musculans chron cally infl med d studded with t bercles and containing umerous branch ag

papilla: The disted is mph spaces were filled with temor The disted is mph spaces were filled with temor. The papillary prol ferations tarted from the

mucous membrane the epithelium of which showed tremendous proliferation into the lumen Between the numerous papillæ there were many epithelial nests of the nature of alveolar carcinoma and also tubercular tresue The microscopic diagnosis showed primary papillary carcinoma of the right tube de eloning on an old tuberculous growing on ckly ongs ating from the mucous membrane and infil trating the surround ng tissues especially the пичещать

The author believes with Kehrer that the papil lary form of carcinoma of the tube is a more benign predecessor of the alveolar form This case was on the po at of being transformed from a pure papil lary into a papillary 1 colar form The prognosis is bad especially in cachectic cases. Only 4 cases were f ce from recurrence after years. The best prospects for recovery a e offered by perfo ming the earliest and most ext as e removal poss ble of the uterus and adnesa by Freund's operat on Unfortunately diagnosis is very difficult

FALCOR SAT

Bell W. B. A New Operation for the Treatment of Suppurati e Salpingitis in Young Women S C) K C Obst 94 634 By Surg Gymec & Obst

Bell brt ga forward a new operation for the treat ment of suppurat e salpingitis in young women

The object of the operation is t remove the dis eased structures as widely as possible without interfering with the fu ct on of menstru tion. He states that the fundus uten is frequently affected and go es a photomicrographic llust ation showing round celled filtration of the musculature

The te husque is as follows The right tube is f eed by cutting through the mesosalpinx of that side Next the left tube and ovary are freed by c tt g through the broad ligament at the ju ction of the mesosalpinx d meso overnan up to the uterus A w dge-shaped portion of the f ndus uten is then excised by means of two incisio s one of whi h is carried across the a terio surface of the fund and the oth r cross the fundus posteriorly These nci ions meet on the lateral walls f the uteru bout half n nch below the tubes The anter r incision c t though the disertions of the round byaments These two incis ons are deepened the nterior downwards and b chwards and the post rior downward and forwards until they meet n th center of the uteru. The ascending branches f the uters e rteries are caught a d tied as are the ther vessel in the broad ligame t when they cut through The wedg shaped open g n the uterus is closed by fou mattress sutures which check ii the bleeding a d bring th flaps tog ther Next a continuous uture is carried across th pelvi pproximating the cut perit eal edges of the mesosalpinx on the right de and of the broad ligame t on the left. The peritoneal edges of the

uterine flaps re brought together by the same suture s it is carried from ne side to the other

2 Finally the round ligaments are attached to the stump of the uterus as is also the right ovarian ligament to prevent the overy from becoming prolapsed

The results of all the operatio s performed so far have been very satisfactory The author refers to the fact that Beuttner appears to have devised a somewhat similar operation but made no publication of it until after the author had published an account of his own

Stern M A. The Non Operative Treatment of Gonorrheealand Septic Pus Tubes Perimetritis, and Parametritis I a M J 9 4 54
By Surg Gynec & Ohst

The author briefly reviews the work being done abroad in the non operative treatment of gonorrhoad and septic pus tubes perimetritis and parametr (is In young women at the height of their sexual activ ity he recommends the most extended and prolonged use of non operative therapy Ninety per cent of these cases remain free from subjective symptoms after the first year If operation must be performed in young people, he recommends salpingectomy In some patients this operation is a failure in women near the chmacteric if the non operative treatment fa ls he recommends panhysterectomy as the opera tion of choice DOW RD L CORNECT

Lanzarıni F Large Cyst c Lymphangioma of the Right II ac Fossa (l mneux l mphangiome kystique de la fosse iliaque droit) II d temp By Journal de Chirurgi

The author gives a very complete case report both chucally and histologically accompanied by a bibliography The patient was a married woman of 40 with thing of especial interest in her personal or family h story For five years she had noticed the existence of an abdominal tum r with pain at a point 3 cm above the middle of a line passing from the umbil cus to the anterior superio iliac spane The only symptom was the pa which was somet mes so great as to m ke walking impossible For seven month she thought that the tumor had increased n size immediately afte meals On inspection the bdomen was prominent but with no special protube ance at any point. On percussion there was duliness in the lower quadra ts of the abdomen On palpation a tumor was found occurv g the hac fossæ with slight lateral movement Some points in it seemed of woody hardness others semi fluctuat ng It was difficult to move the body f the uterus W th one band on the abdomen nd the other in the vagi a the nod les of the tumor could be f lt n the posterior cul-de sac of the vagins Laparotomy showed a tumo implanted in the pelvis in the subperstoneal cellul r tissue of the right iliac fossa it w s entirely covered with peritoneum and showed some adhes on to the great omentum The patient recovered

Lanzarim gives a deta led account of the macro scopic microscopic, and chemical exam nation and diagnoses it as cystic lymphangioms with points of califoration. He has not the least doubt that it originated in the lymphantos of the right likes forest. He says a subspectioned cystic lymphangions of the size foras has never been described lacfore. This time form of tumor is extremely rare and his only been found in the personeum or mesentery. The tumor which was very large weighing 5 kilograms showed calcided noticies varying in the from that of a bean which was very large weighing a process of calcidit catton has a long or the catton has a long that the large that l

EXTERNAL GENITALIA

Edelberg K: Ftiology of Cancer of the Vagina
(Gur Alu log: d Sch idenkrebses) Z i in f
(ynth o s xxviu 26)
By Zentalbl f d ges. Gynal u Geburtsh s. d Grenzgeb

A carcin ma de cloped at the place when the posterior part of a pewry had Jan. The river who was 68 years old had worn a may pe say; for 35 years in Anno the ne removed for 12 years and could be removed only in paces. A microscoped examination of a piece of them the ultra shoned a flat-rell d epithelial artinom. Only two similar cases in been reported.

Francey F: Treatm nt of Vealcoraginal Fistular
by th Trans esical Raute (C re d s ft ul s
évro- st al p la cs t &s.c.i) Thères
d doct 1 9 4 By Jaura 1 de Chru

The tran v coal route in the treatm at 1 vestor sugnal f tule is levely indicated in the following classes of ses (1) When the first rannor soils be brought down be asset to too high up or the vagan is contracted a 1 lerois, or if the neck of the utrent have been myour to like surgeon has no hold point on with not earn tract in and bring the too has failed (1) and it is surgeoned by the too has failed (1). It is surgeoned by the too has failed (1). It is a just outpy in that the first just ness in the tule of tule is not surface.

In the ass persion through the bloder is superior that through the agina lacause it gives more light on the listual it asy a probing the escore gan I lassect a solue t extern so that the thread to not pull least and antage is the 1th 11 d 1 a place lat rest after the oner in by through trid unlong to the distribution.

The technique of the brain on a very simple and a plat i gib has gibt let in of the neck of the !! If the loss gof the gibt of the black to tring tuter in the siture of the black they a! separat ut rea. Dry three cases at raport i (these, the bean previously published him gibt near the bean previously many the second of th

bladder with destruction of the sphincter The operation has given complete success at a single operation in about 60 per cent of the cases Gism Provi

Schmidgall G Bacteri logical Lumination of the Vaginal Flora of New Born Girls (Bakterologisch L tersuch gen über die Scheidenfora eugelorener Mäd hen) B i z Gebirtik G j bi

ny to 4 100

Ny total 1 d fee Cynds a Gebutsh a d Grougeb
Twenty-one infants were exam ned immediately
after delivery and to children under a y ar of age
The vagnal secretion was transferred to Schott
indilers blood gare plates. It was shown that the
becteria enter the wagnal secretion during the first
sed y as of the Generally colonies developed after
the second day. The backlit most frequently found
we exceptomers ataphylococcy edoin backlit and
was component ataphylococcy edoin backlit and
macrooccus tetragonus different strans of asmacrooccus tetragonus different strans of asmacrooccus tetragonus.

parvules bacillus ham philus, and bacillis histium. The secretion of the inlain is sugma does not show any inhibitory effect on the growth of pogenic bacteria. Hermoi as was argund and loid during the course of the examinations and access to be a variable fermentative quality. If the buttern which is an expression of increased if the mergy in an individual artimum in order to the product of the third and the course of the child. The frequency of streptococci shows that the medium a support of the medium a support of the production of the child.

The intestinal bacteria influence the vaginal form very little for the first in e days Bacillia bifi list the typical bacilli found in the manifest stools was ne of found in the auxiliary stools was ne of found in the support the ew born hie in the old r child fren the intest. It bacters made up a half of the ways all ones the results indicate that there is no autoclears og of the vaginal stools. The support of the support

MISCELLANEOUS

Von Graff E Basedow's Disease as a Contraindication to Cynecological Röntgen Treat ment (the Basedowshe ka lakt als kontraindikation gegen symbological Röntgenth rapie) if Al Lakt of the Contral By Zentralbi f d. ges. Graki Ceburish d Cremzgeb

The uthor observed in many as a whree myoma is in the uteras we retward by rontigen may it is symptoms of B sedow dase se were in least offers the treatment. He therefore comes to the conclusion that rolation treatment should or be used when there are the slightest again of a 1 ad cy to B sedom diseases found does on the many of the contract of the

Op t , E. Treatment of Sterility in the Female (Uber Behandlung der weibhchen Unfruchtbarkeit) Therah d Gege 1914 lv 4 By Zentralbi f d ges Gyzak u Geburtsh s d Grenzgeb

In half the cases the man at responsible and in probably to per cent of the cases there is sheened or death of the spermatono. Often the men are the last born in families with numerou cluldren so : as possible that they have not unhersted sill fenent statil. In primary stensibly of the woman con titutional causes congenital and acquired are emphasized. Anemnas are of great importance also obesity which may be of thyroid origin. Two cases were successfully treated with loodthyru Infantihism is important but acute anteflerion is a normal condition in the vigna.

In dysmenorrhors general treatment should be tried first only in older persons should the cervix be dilated and a Fehling's glass tube inserted until after the next menstruation Among local causes he mentions the obscure cases in whi h pregnancy occurs after the removal of a small unilateral ovarian tumor He operated on the tube three times without success. In one case an abno mally long tube seemed to have caused repeated tubal preg nancies with early abortion and therefore childlessness \ormal pregnancy occurred after resection of a piece of the tube in which the remnants of an ovum were found. If there is tough mucus in the cervix the cervical mucous membrane hould be cauterized and general treatment given especially for constipation Opitz has had no opportunity for ruficial impregnation Secondary sterility is much more unusual, treatment s seldom possible and rarely desired. There are oft n constitutional causes for repeated abort on First general treat ment should be go en and then according to Lomer potassi m iodide o per day and iron Syphilis is less frequently responsible when t is prematur del very generally occurs. In such cases mercury should be given during pregnancy LERMAUNER.

kakuschlun N. M. Exploratory Puncture as a M thod of Treatment in Gynecology (Due Probepunknon b Helimattel in der Gynalkologie) Zith f Geb i h Gy 2k 9 4 km 597
By Zentzabl i d ges Gynal u. Geburts a d Grengeb

Exploratory puncture of th posterior vaginate vult has not ally diagnostic but theraps to take it is best perf med over the finger with a speculum holding be the atenor vaginal wall very freque it after the e plo atory puncture of the state of the stat

GRATEVEE G

pentoneal exudates

Bachrach M Assimilation Pelvis at th Heidell berg Und ersity Cynecological Clinic (Due 4ssumiationsbecken der H dielberger U ernit ta-Frauenthmit) Zi hr f Grb i h a Gr k 9 S By Zentralbl.f d ges Gynak u Geburtsh s.d Grengeb

Zentralbl.i d ges Gynak u Gebuitsh s.d Grenzget The form of pelvis known as assumilation

pelvis anses from disturbances in the embryonic development of the bones forming the pelvis that the vertebræ form: g the sacrum and the ilium Normally in the feetus there are 3 vertebræ and the synostosis to form the sacrum begins at the twenty sixth But varya g numbers of vertebræ ms) be assim lated the synostoms beginning somet mes as high as the twenty fourth or as low as the twenty eighth whence arise the various forms of assimilation pelvis Many of these pelves have no pathological significance in obstetrics and there fore escape diagnosis and are only recognized on exact measurement by their configuration a d pro portions There are five types (1) the high (1) the trans ersely contracted (3) the flat middle nelvis in which there i a shortening of the conjugata media (4) the low and (5) the asymmetrical

The mot frequent forms are the asymm trical and the high the latter being cha actenized by the high position of the promotiory and slight inclination of the pelvis. The low form shows a low position of the promotiory and a marked transverse conca e bend of the sucrem

cont. e cond of the returns from the specument as the H defortments that act measurements and description of the anatomical characteristics. He describes a high symmetrical 4 low symmetrical 3 high asymmetrical 2 high symmetrical 3 high asymmetrical as mulation 5 assumi lation pel s based on specific bone diseases nickets and osteromaticas and a surcurns that belong to such and osteromaticas and a surcurns that belong the regarded as a formation of the surface of the

Moos, S Experience in Intra enous Injection of Arthilgon in Gonorrhoran Women (Erlahru gen uber intra enose Arthigonnjektionen bei der Gonorrhoe de W. ibes). M tack f Gebut k w Grak 9 4 xxxxx, 333

By Zentralbi f d ges Gynal u Geburth e d Grenzgeb

In 3 cases it in enous injections a vicinity of the second proposed. The second proposed is a second court of the second proposed in second proposed in the seco

BLANCE

and the t eatment pres ously in use

PREGNANCY AND ITS COMPLICATIONS

Orioff A N: Etiology of Extra Uterine Pregnancy [2] (Zur Atiologi der Ext. ten gravid int.) Ver [7] had d m P f f Kong St Petersb 1913 1,

By Zentralbl f d ges. Gynäk u Geburtsh s. d. Grensgeb

Extra uterine pregnancy is as common among the peasantry of Russia as among the city dwellers The most frequent causes are inflammatory diseases of the adnexa and pelvic pentoneum from abortion puerperal infection, and appendicitis The mechanical theory that the migration of the ovum is hindered by inflammatory processes or congenital hypoplasis does not explain all cases of extra pterme implantation. If the adnexa are unchanged the cause of the extra-uterine pregnancy must be sought in the ovum itself Excessive migration of the ovum is rarely the cause of extra uterine preg nancy Lactation atrophy of the tubes in long continued nursing is a frequent cause Diagnous is easy from the history a d findings Exploratory puncture is only rarely demanded The best treatment is removal by laparotomy WARRER AF

Grusdjew W S Extra Uterine Pregn ncy (Z Prage der Futmuten granhität) i erk di d n P g f Ke g St Pet reb 1913 u 458 B) Zentralbi f d ges Gynal. Geburtih d Grenzgeb

Abderhalden's pregnancy reaction fails in the differential diagnosis of extra uterine pregnancy In three cases where a diagnosis of this uterine regnancy was mad from the history and the local findings the reaction was positi e The diagnosis was confirmed by operation in only two of the cases In the third case only inflammatory changes were found A case of bilateral tubal pregnancy is reported both ova were from one ovulation period In one tube abortion had taken place ea ly while in the other pregnancy had persisted three months It was complicated with appendicitis The operation was begun by posterior colpotomy but ana tomical changes and copious harmorrhage compelled the application of a tampon and the continuance of the operat on by laparotomy A case of tors on of the pedicle in tubal pregnancy is reported Torsion of the pedicle may cause tubal abortion it may cause secondary hemorrhage after death of the ovum or reactive peritonitis with swelling of the tumor T AKBER

Mupes, C. C. Ovarian Gestation Am J S g 914 xxviii 9 By Surg Gynec & Obst

Mapes in his article extens vely reviews the literature on ovarian gestation and gi es several case reports from the literature In his opinion ovarian gestation occurs probably more frequently than is usually believed He is inclined to believe that "blood cyst of the ovary rupture of the ovary and pelvic hematocele may have for their etology, owarian gestation.

E GENE CARS

Druskin S. J Extraperitonesi Cassarean Section with Report of a Case J Am M A 1 914 km, 183 By Surg Cynec & Obst

The author reports a case in which the patient a primpars aged 21 with a generally contracted pel is had been in labor sixty three hours before the operation. The extrapent neal method was indicated as the membranes were ruotured a different had been see retal waymad examinations.

The technique which the author follows is the combined Latrick-Sellbeam method. The under lying p inciple is the separation of the bladder to one side (Lat ko) and the separation of the place upward (Sellbeam). While this operation is more difficult and more time consumed. The author believes that the patients suffer less sift it this type of operation is the consumed. The author believes that the patients suffer less sift it this type of operation fits chief and variances or (i) Lessened bleeding (b) not of post-operatic herma and in the fact that the extraperioncel section or a period when it would no longer be safe to do the racks of longer to post-operation of the fact that the extraperioneal section or a period when it would no longer be safe to do the racks of longer to post-operation.

Mürnberger L. Study of Placenta Frævla Especial jy Placenta Frævla Actreta (Lur ken tins d Placenta pseva apecial de placenta præ a re tal Probl E gon d G bortis Gy sk o 4. By Zentralb f d ges Gynik u Gebursh s d (rengeb

The author presents two cases. In the first case the attent was a removed in the third month if pregnancy for subserous snyoma. At time stimus could be demonstrated both in croscop cally a dimensional properties of the control of the country of the characteristic changes of pregnancy; i the plands which the cervical gladian new ab w (2) In case of isthmust-cervit pregnancy here to intuitional the country of the country of the characteristic changes of pregnancy; i the characteristic changes of pregnancy; i the light of the characteristic changes of pregnancy; i the signal of the characteristic changes of pregnancy; i the characteristic changes of pregnancy; i the characteristic changes of pregnancy; in the characteristic changes of pregnancy; in the characteristic changes of the decedual spitting of the mesculars commect over issue hyperplass and excessive proliferation of choronous temestral it has pomponent in

The abnormal insertion of the ovum and the ex tensive chononic invasion alone could not have caused the extreme degree of adhesion between the placenta and the wall of the uterus as 15 shown by a comparative study of the conditions in other pla centa prævia cases and in tubal pregnancy must agree with Baisch in considering the great changes described abo e in the decidua and uterus on which the normal mechanism of the separation of the placenta depends as responsible for the origin of placenta accreta Moreover the deposition of choronic elements in the normally close texture of the myometrum leads to a change in its statics and therefore to by pofun tion The advanced parenchy matous degeneration of the myometrium is prob bly explained by the chemical ferment tive effect of the chorionic epithelium

Reinhardt E Danger of Tamponing n Pla centa Prævia (Übe die Gefahren der Tamponade be Placenta prævia) Zestr ibl f G dk n 4 EXXV 68

By Zentralbi f d ges. Gynal. u Geburtsh u d Grenzgeb Among 276 cases of placenta prævia treated

during the last ten years at the Drusden Gynecology, and can clim c 1 we admitted to the hospital after being tamponed. Generally the tampon was apphed by the phy scans and the pat each brought mimediate by to the hospital Immediately after admission 4 to 8 hours after the tampon was apphed it was removed. Forty-one per cent of the cases were admitted with tampons, 55 per cent without tampons to the control of the cases were mortally a per cent. Of the non febric cases are per cent were tamponed of the monthly 2 per cent. Of the tamponed 3 per cent were tamponed of those who died of separs 5 or 45 per cent were tamponed to 0 or per cent were tamponed.

not tamponed The morbid ty nd m rtal ty in the tamponed cases is not ceably highe but tamponing and niec tion are not synonymous terms W th very threat ening hæmorrhage and the os almost or entirely closed the tampon cannot always be a orded n practice. In moderate hæmorrhage examination should be made externally or rectally not vaginally a d the woman taken to the hospital without tam poning 15 gr of morphine should be njected to decrease the activity of the pains If with moderate hæmorrhage placenta prævn is not demonstrated it would be a great mist Le to tampon If tampon ing is absolutely necessary it should be done with as caref I asepsis as an obstetrical operation. Stenle gauze should be used that has been dipped in a mild perm nga at or lum solution **VEBESEY**

Ebeler F Tuberculosi and Pregnancy (T be Lulose und Schwangerschaft) Prakt E g b d Geb n k Gy ak 9 4 v1 87
By Zentralbi f d ges Gynak u G burtah d Grenzgeb

By Zentralbi f d ges Gynal, u G burtah d Grenzgeb

The hterature of the present st tus of the question of tuberculosis and pregnancy is reviewed

especially the different and frequently opposed views of undividual authors in regard to abortion for tuberculous. Tharty two cases of manifest tuber culous with pregnancy are described. The author recommends abortion unconditionally in every stage of tuberculous and in every month of pregnancy. The prospects in the third stage of tuberculous are very bad. In three-fourths of his cases in the first and second stages the author saw a marked im provened in the objective ling symptoms. He may be a supplied to the control of the better than the control of the best of the under the commended by Bumm. After the abortion santar un treatment is undepensable.

Wobus, R. E. Pyelitis Complicating Pregnancy J. Mis. rs. St. M. Ass. 9, 4, 4, 6 By Surg. Gynec. & Obst.

Pychias and pyclonephrous are often overlooked either through lack of careful examination or through ignorance of the existence of this uncommon condition. They have not received the attention the deserve. After discussing the subject from the clinical standpoint and taking up the treatment the author comes to the following conclusions

Pyehtis is not an infrequent complication of pregnancy 2 Its diagnosis is often overlooked at any

2 Its diagnosis is often rate cally

3 In most cases it can be held in abeyance by means of unnary aseptics prope by administered 4 Many cases of so called pychitis of pregnancy are simply old cases of unnary infection which have become active of the addition of the added factor of pregnancy and should be considered so until proved otherwise EDWARD I. CORRELL

Du ham J G Gali-Stones Complexiting Preg nancy — Six Cases S there M J 9 4 n 389 By Surg Gynec & Obst

Graham brefly discusses the occurrence of gall stoces in Nome during pregnancy and the Duerge must. He considers the symptomatical was and treatment. In the treatment the propose course to follow is to disregard the pregnancy and it at the patient according to the gall stone indications. Midd cases can be tided over by medical toas Midd cases can be tided over by medical treatment but if the gall listone symptoms become urgent it is necessary to operate at once. Pus in the gall bladde accompanied by chills fever pain and jaundice will produce miscarriage. The operation itself is no more highly to produce miscarriage than any other abdominal operation that urgeon may be called upon to perform during urgeon may be called upon to perform during

pregnancy
The author reports three cases compl cat g pregnancy and three complicating the purper um. In
those cases compl cating pregnancy one patient
doed following rupture of the gall bladde while
the other two recovered and went on to full term
The three cases occuring during the pureprism all

recovered from the operation one of them however developed attacks of bitary cole three months later due to a stone which was floating in the com mon dut. Operation two years later was followed by uncontrollable harmorthage on the accound day with death. For v D. Cor Pt.

Saunders, C. A 1 The Management of Pregnancy Labor and th Puerperium 1 g 3f S m Vonth 9 4 x 69 By S rg Cynec & Obst

The author gives a general discussion of his care of the pregnant woman and sudmits the following data. He has if 1 v red 235 multipare and 121 primipare of these 7 were negroes. He has used forceps at times. There were 13 tears of the penneum requiring from three to seven stitches and 2 complete tears. There were 7 blue bithes and 3 complete tears. There were 7 blue bithes and 3 stillion. The hand was merier in the uterus 3 times. He reports 8 pairs of twins. There was a times. He reports 8 pairs of twins. There was a times. He reports 8 pairs of twins. There was a times of the pairs of the penneum
Schauta P Ovari n Tumors and Pregnancy (Ova-

By Zentralid (d ges Canak u Geburtsh s d (renzgeb

Every o man turn r that i d agnosed slould be removed by operation because of the large percent age of mil goant degeneration. The coex stoce of pregnancy locs pot alter this rule. The frequency of ovarian tumors and the rarity of pregnancy ocarst ing with them sh we that the turn rat nit present pregnan; During pregn n; th; grow rapidly lik all tum rs. The; m; u aborts n because of limiting the space for the growth of the uterus. They may use out of the tru pelvis up t depend ing on their mobility. If they do not use a account of adhesi n they m at rive with i bor or in Y rupture. This finge may be aviled by perform ing casarian ection empising the tumor by punct re or by rly reposition. The latter is often impos this because of a lite tons and dangerous be cause and to be complicated by harmorrhage. In the puerperium a uterine infect on may exten I to the tumor nd cause se ere disc .e Therefore or arran cysts th t are liscon red during labor should be removed during the pu rpenum es n if they cause no symptoms

Piscal k L: Di erticulum of th Uterus and lt R lation to Pregnancy (Ube L: rs d rulei ad hie Rezi h ng behwa gerich ft) Gy &t

By Zentralls I digs Cynal Geburth d Grenneb A 45 year old VII para died of rupture of the uterus mm drutely below th contraction rung The pelv's was normal In her sur preceding del ertes the placenta h dibetu separated manually. In the specimen 4 cm from the entrance of the left tube there was a projection the use of a cherry with all, as thin as paper. The surface was formed by pen toneum and there was a carter abapted defect in the uterine muscle corre ponding to its laner unfarvant the entrance of the right tube there was another projection corresponding to a shallow depression on inside of the uterus. Verther of these places corresponded to the insection of the placents which was 4 or 5 cm away from them.

The author coulf not find any cases in the later that were samilar anatomically and in which there was intra uterine pregnincy. Browe 178 reported a case that was a mirr chincilly 1 11 pora ha is placental previa with a transverse presentation on external plajation in (if a if the arm of the fatus was project; if out of the fandos uternal as given as found in the uternal marked is a small a given as found in the uternal marked is a start of the fatus was project; if out of the fundos uternal as given as found in the uternal marked in a start which is the start of the fundom was caused by the removal has considered in the fundom separations of the placents. The venuclar project tion was an artificial product of the purspeal is

traction of the wall of the uterus
Ludisturbed intra uterus perpanney as a m re
change in inverticulum of the ut rus Thus f r au
cores have been described. The uthor ducusses
symptomy, duagnoses a l anatomical find ngs in
the m is vidual cases. He regards Schuckele case as
und uttedly a car of diverticulum prepa ney
while frenods an Hellendal's we reserved
verticulum like projections of the fundar a d
Sparth and Barbett only seumed a the criticulum

pregnancy

The chi factors: the etiology are injunes with factorments or the hand in separat ing the placents of emptying the utility after borties a disjuny to the mucle by searce endom time. Hydatal form moles a dipoorly healed scars from cessarean section may also be responsible to Mixtrage.

LABOR AND ITS COMPLICATIONS

Hespi W The Problem of Ulag Oxytocic Brugs During Labor Lanc I U 10 4 rxu 571 By Surg Gynec & Obst

In this paper the a thor opposes the use of oxytoric drugs generally and a betti test reeps del very

toric drugs generally and a batif lest respande very a a more rational procedure when interf rence is

necessary

If inphysicises the fact that the uterms numerate in mphysicises the fact that the reverl feeding them are very much larger than the reverl feeding them and that the right numer contractions from the time of tencepool of the feeds of the feed of the feeds of the feed of the feeds of the feed of the

360 cases of eclampsia. The treatment began with chloroform narrosss and the administration of large doses of morphine and chloral by I on I est a method then accepting the placental theory of the cause of eclampsia, the treatment was changed to early and rapid delivery Dubrssen a taginal ca carean section giving the best results. It must be remembered that the results of this method depend not on the num ber of attacks but on the time which has elapsed

between the first attack and the delivery Stroganoss a m thod resembles a return to bon lets It is a prophylactic method the chief point of which is to guard against further attacks occurring rather than to treat during the attack. Schiller modifies this expectant treatment by emphasizing the importance of the primary blood letting as a curative measure lecording to Schiller's expert ence there is still a balance between the active and expectant methods of treatment as in er ry case there are numerous factors to be taken into con sideration that may decide for the one or the other method Latreme measures are successful only in exceptional cases In eclampata as in other things, the middle course is safest

Sellemann S. Etlology of Endogenous Puerperal Infection (Zur Attologue der endogenous Puerperal peralial kton) Zische f Geberlek G. 4k 1914 lanv 548 By Zentrallof f d get, Gyndl, u. Geburtsh a, d Grenogeb.

In 1911 1912 Goldstrom made bacteriological examinations of a series of taginal secretions and in 1912 1913 Sehgmann made accurate tables of a series of cases confirming Coldstrom a results that is that it makes no difference in the prognosis of the purrpenum whether there are streptococci present in the lower third of the sagna during labor or not when exam nation is exclusively rictal Also the number of streptococce in the vaginal scretion of parturient women and whether they are haemolytic or not makes no thill rence as shown by these examinations Since in women examined only per rectum neither the presence nor the num ber of gonococci influences the co use of the puer persum other factors must be sought in the causa tion of endogenous puerpetal infection.

Bublitachenko, I... Puerparal Staphylococcus Sepale (Über puerp, als Staphylokolkensepai) J Al & J a & Bla St F ternb 9 a 111 43 By Zentralbi f d gez Gynak Gebursak 3 d. Greageb Puerperal Staphylococcus

Based on the reports in the literature and his own material of 5 cases in 4 of which staphylococcus aureus or albus could be demonstrated in the blood the author comes to the following conclusions () General staphylococcus infection is much more frequent than has been supposed (a) A single pos tive blood examination does not indicate a sever infection it takes several positive findings to make the prognosis serious (3) In severe cases of general infection hamolytic staphylococci ha e almost always been found (4) In the human body staphy

lococci can very quickly acquire hemolytic proper Hery

Tellair J H.: Complete Inversion of the Uterus Following Delivery Y J V J 9 4 xur 33: By Surg Cyace & Obst

The author reports a case of complete inversion of the uterus in a primipara who was delivered of a full term child ten hours before admission to the hospital Her condition was so desperate that saline infusion Murphy drip, and stamulants were given previous to operation. Under an anasthetic it was impossible to dilate the cervical constriction through the abdominal wall, and by start g pressure upward on the right lateral wall of the uterus it was possible to gradually replace the uterus. The uterus was then packed with gauze The patient left the hospital on the third day against advice and died on the seventh day after delivery C II DAVE

kreiss, P: The Treatment of Post Partum Hiera-Aress, F.: The Freshment or rost Partom Heem-orbage by the Intra enous Injection of Hypophysin (D. Belkinpfung de post partial-Bi to gendurch airts enke Hypophysians[ekton) Zodr M | G | at 0,4 zzn 4, 0 By Zentralbi, f d gas. Gyask. u Geburtak. d. Grengub

Basing his conclusions on 30 cases, Kreiss recommends the intravenous injection of hypophysin for the treatment of post partum hamorrhage. The for the treatment of post partium harmorrhage. The and dauf does a of to rear for most people of crus us ecough. The injection should be made as the sea of passable. Callapse following it need not be as a passable. Callapse following it need not be as a passable of the callapse of the In conclusion he condemns tenosin which he thinks is a dangerous preparation, although it is chemically purer than it formedy was FRA L

MISCELLANEOUS

Meyer-Rücig, II: Ferthikation and Implantation of th Human Orum (Linues uber Befrucht ag od ki betjung des menschiche Eies) Cor 20 f scher 142 9 4 th 57 By Zentrahl I d. ges Gynak u Geburtsh d. Grenzgeb

The article conta as a exact description of the anatomical structure of the ov ries ovulation the structure of the interstitial overion glands the function of the corpus I teum, the anatomical structure of the utenne mucou membrane and the changes in t during menstrust on and implantation There is a discussion of the relation between oval tion a d menstrustion, and the different processes that t he place in impregnation, migr tion, and implantation of the fertilized ovum. The diff rent possibilities are reviewed that may lead to uregu

larities in the development of the pregnancy whether they take place in the migration or the implantation In conclusion, a detailed description of Abderhal den's pregnancy reaction is given the practical value of which in human medicine is doubted the question of chorio-epithelioma is also touched upon FRANK STEIN

Congenital Icterus L neet Lond Shedl S By Surg Gy ec & Obst clex

The author reports a case of congenital jaundice in which an operation was performed for its relief without success The mother had given birth to two children previously both of which died from jaundice in a few days. During pregnancy the mother had complained of pain in the epigastrium which was frequent and annoyi g Her condition had been diagnosed by others as appendicitis gall stones etc. After an easy delivery she complained little of her pain The infant de eloped jaundice within a few hours afte birth and steadily grew worse It was operated on within forty eight hours afte birth and the gall tracts were fo nd to be intact and patent. The gall bladder was found to contain a very viscid bile which could not flow through the lumen of the ducts The bladder was drained but the infant died w thin nine hours

The treatment of this form of iaundice is early operation but there is always the difficulty of recognizing the obstruction sufficiently ealy to ensure a good result for the signs and symptoms are so similar to those of simple or pseudojaundice that the affection may have progressed beyond the possibility of recovery before the obstruction be suspected and a dilated gall bladd annot always Moreover the obbe palpated with certainty struction is not always amenable to operation as the process may ha e spread deeply through the h er itself The family history f these cases helps but little and it is the same with the familial o he d stary form of a undice - a rare form the pathology of wh ch is far from being clearly understood

EDWARD L CORNELL

Blair V P Th Treatment of a Cas of Birth Fractur of th Shaft of the Femur S g Fractur of the Gynec & Ob 1 9 4 72 640
By Surg Gynec & Ob t

Fo the treatment of a birth fracture of the femur the autho presents a satisfactory splint cut if

gal an zed at el of the we ght used for ho se gutters There is a body portion reaching from the greate trochante of the femu to the axilla and on elopi g the back and both sides fitting faily lose 4 small buttress maintains the stability f the body portion by resting squa ely on the bed The th gh portion corresponds with the normal posit n of a baby a thigh flexed on the abdomen The leg part of the splint is longer than the infant's leg, par liel with the bed and its low r border is bent mesially to form a small shelf

The splint is heavily padded and the baby is laid

in the body portion resting there simply by its weight while the thigh and leg after being covered with cotton are bandaged to the splint removed and reapplied every day at the time the baby is bathed and powdered the nurse requiring some one for the first few days to hold the injured limb a position

The baby upon whom this was tried suffered no inconvenience and in four weeks the union was firm and in excellent position

Klotz R: A Case of Acardiac Anencephalus with Partial Absence of Both Muller a Ducta (Em kall von Acardius anencephal's mit partiellem D [Lt beider Mullerschen Fade) Arch f G) ak 9 4, ca 537
By Zentralbi f d ges Gynal, u Geburtsh d Grenzeneh G) ak

The length of the specimen was 15 cm. The head and upper extremities were lacking - holocardius acephalus talipes equinovarus was present on both sides there were irregularities in the toes only the 7 lower ribs were present and they were rudi mentary above the seventh thoracic vertebra there was only a bone 1 cm long not divided nto vertebrae the spinal cord being present up to this place the large intest e was short open ng outward normally the ermiform appendix was present of the small intestine there was only a piece 2 mm long back of the peritoneum there was a horse shoe kidney open ng downward the ureters w re normal on both sides along the spinal cord were large arteries and cans and between them an organ half as large as a pea that could not be recognized even microscopically Ther were three essels n the umbilical cord and there were ovaries on both sides as shown by micro scopic examination Laterally the tubes extended as solid cords fine cords extending from the overv represented the ovarian ligament which disappear d in the caudal direction macroscopically nothing could be seen of the round hgament the vesico rectal pouch was very deep the bladder was small the external genutaha were femunine ther was no vagina no mullerian ducts could be f und the

The author believes this is the first case of almost total absence of both mullenan ducts and thinks this is to be explained by the early destruction of the wolffian duct The acardia is explained by am iotic adhesions AERWAUNER.

pelvis was normal in the rontgen picture

Leibowitsch J The Frequency of Guant Children and Their Significance in Obstetrics (Die Ha figleit und geburt-hilfische Bed t g der Riesenkinder) M natschr f G bart h

G) ak 9 4 xxxx 6

By Zentralbl f d ges. Gynak u. Geburtsh a. d Grenzgeb Some authors h ve designated as giant children

all those we ghing ove 4 000 gms although their buth does not generally show the charact ristics peculiar to the deli ery of giant children author p oposes to designate childr n neighing r 4 400 gms as abnormally large and those 360 cases of eclampas The treatment began with choloroform astrosus and the administration of large dows of morphism and chloral by Vos Vern then accepting the placental theory of the castle of eclampas, the treatment was changed to early and rapid delivery. Dubinsen a vagual consuran section gwing the best results. It must be remembered that the results of this method depend not on the number of attacks but on the time which has elapsed between the first attack and the delivery.

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Selamann S. Etiology of Endogenou Puerperal Infection (Zur Atologie der endogenen Puerperabnt kton) Zhekr f Gd isk a Gask

914 bry 548

By Zentralbi f d. ges Gynák u Geburtsh d Grenszeh

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Bublitachenko L. Puerperal Staphylococcus Seps s (Über puerperale Staphylockkensepss) J Ak k j suk Bolzer St Peters b 9, AURA 45 By Zentralbi i d gra. Gynak n. Geburish. s d. Grenageb

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C II DAVIS

FEAN

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Basing his conclusions on 30 cases, kirus's recommends the infraresous najection of hypophysim for the treatment of the real-most of the real-

MISCELLANEOUS

murer than it formerly was

Meyer-Ruess, H; Fertilization and Implantati n of the Human Orum (Em tro be Befrucht ng und Embettung des memchiche Etes) Cor Bi f sch n Ars 9 4 th 57 By Zentralbi I d ges. Gynäk Geburish d. Grenzgeb

The structe contains an exact descriptio f is handcome of the interstitual or man glands the interstitual or man glands the function of the interstitual or man glands the function of the coppus I to m, the anat metal structure of the uterne success membrane and the changes in t during mendiration and impair tation. There is a discussion of many membrane and interstitution and membrane may be different processes the state of the containing of the state of the different processes in the state of
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Shelli S Contenital Icterus, Low / L nd 1014 By Surg Gy ec & Olnt dxxvi 13 6

The author reports a case of congenital jaundice in which an operation was performed for its relief without success. The mother had given birth to two children previou ly both of which died from saundice in a few days. During pregnancy the mother had complained of pain in the cp gastrium which was frequent and annoying H r condition had been diagnosed by others a appendicute gail stones etc After an casy lehvery he complained little of her pain. The infant developed jaund ce within a few hours after birth and steadily grew It was ne ated on within forty eight hours after birth and the gall tracts were found to be intact and patent. The gall bladder was found to send bak which could not flow contain a ry through the lumen of the lucts The bladder was drained but the inf nt died within nine h urs

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EDWARD L COR LIT

Blair V P The Treatment of a Case of Birth Fracture of th Shaft of th Femur 5 g Gyne & Obst 9 4 By Surg Gynec & Obst For the treatment of a birth fracture of the femur

the author presents a satisfactory plant cut of galvanized steel of the weight used f r house gutters There is a body portion eaching from the preater trochanter of the femur to the axilla and enveloping the back and both side fitting fai ly close small buttress maintai a the stability of the body

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The baby upon whom this was tried suffered no inconvenience and in four weeks the union was firm and in excellent position

Klotz R. A Case of Acardiac Anencephalus with Partial Absence of Both Müller's Ducts (Em Fil on \ rds neacephal m t partiellem Def Lt be d r M Bersch n laden) G) k 0 4 ct. 537 By Zentralbi I d ges Gynak u G burtsh s d Grenzgeb

The length of the specimen was 15 cm. The head and upper extremities were lacking - holocardius acephalus talipus equinovarus was present on both sides there were irregularities in the toes only the 7 lower rabs were present and they were rudi mentary above the seventh thoracic vertebra there was only a bone 1 cm lo g not divided into vertebrathe spinal cord being present up to this place the large intestine was short opening outward normally the erm form appendix was present of the small ntestine there was only a piece 2 mm long back of the perstoneum there was a horse shoe ki lney open ng downward the unters were normal on both sides along the spinal cord were large arteries and e c and between them an organ half as large as a pea that could not be recognized even microscopically There were three v ssels in the umb heal cord and there were ovaries on both sides, as shown by micro scopic examination Laterally the tubes extended as solid cords fine cords extending from the o re coresented the ovarian hyament which disappeared in the caudal direction macroscopically nothing ould be seen of the round ligament the vesico rectal pou h was very deep the bladder was small the external genitalia were feminine there was no agina no mullerian ducts could be found the pel a was normal in the rontgen picture

The author believes this is the first case of almost total absence of both mullerian ducts, and thinks this is to be explained by the early destruction of the wolffian duct The acardia is explained by ammotic adhesions **LERMAUNE**

Lepbowitsch J: The Frequency of Guant Children and Their Significance in Obst trics
(D. Ha figlert und geburtshiftliche Bed tung
der Riesenk nder). If alsek f. Geb. rt. k.

G) ak 0 4 xx ix 6
By Zentralbi f d grs Gynak u Geburtsh s d Grenzgeb.

Some authors have designated as giant children all those we glung or r 4,000 gms altho gh their birth does not generally show the characterist cs peculiar to the delivery of giant children. The author proposes to designate children weighing over 4,400 gms as abnormally large and those

weighing more than 5,000 gms. as guait children. His case was that of a 50-54 cold 1.11 part has two years before had been delt end of a maccrateful weighing 6 750 gms. When the author was called for the delivery under consideration the head was already born and he extracted a child weighing 6 50 gms. 65 cm long head curounference 37 cm shoulder curcunference 47 cm. Gant children are borne most fraquently by mothers of sadvanced agree attong constitution and good state of nutrino Frequently the pelves are larger than normal. There is a marked precondenance of head.

Among 15,000 deliverses there were go abnormally large children, 75 per cent (them boys 15 per cent were born dead Among the 15,000 there were 6 guant children all were artificially delivered all the mothers were over 30 and multipare. The mortality is not given

Rongy A. J and Arluck S. S. Pituitrin \ i V J 924 xxx 878 By Surg Gyne & Obst Mer a careful study of pituitrin in 300 cases,

the authors draw the following conclusions
r Pituitin does not induce labor pains
2 It should not be used in the carly part of
the first stage of labor for its action is too train

3 It should not be used in complete mertia because of danger of rupture of the uterus

4 It is contra indicated in cases of dy tocia due to malposition or contracted pelvis 5 It should never be used in cases in which a

5 It should never be used in cases in which a sudden rise of blood pressure in ght pro e dan gerous

6 A single dose of patienting may be used as an adjustent in cases where pregnancy is interrupted there by a catheter or bag and only when contractions of the utrus has a already set in

7 It should be used only in cases in which the cervix is dilat d or dilatable and the presenting part is engaged in the pelvic outlet.

part is engaged in the pelvic outlet

8 It should be used causously in cases in which
the fatal heart sounds are facility or irregular

9 It should net be used unless a general anaesthetic is within easy reach for the contractions may become so tolent that rupture of the uterus becomes imminent

The authors recommend th use of morphine hypodermat cally in cases of inertia. It is seldons found to be source of danger to the child eves when la ge doses are given. Morphine in addition to indicate, rest and sleep relaxes the circular muscle of the cervi a d thus h lps d latation. CHD is

Anderson L l' Clinscal Experience with Pitultrin

in Obsettrics. B fall b f o s his 6 s
By Surg Gyme & Obset
The auth r quotes atracts from earlier reports
far rable to the wide use of putuitina in obseteres
He has used it in some satify he cases with no un

favorable results. He gaves a brack intery of the joung prumpares in whom the duration of the pass abortened. He concludes that printing is an especially valuable preparation in the practice of obsectince on account of its producing contractions is also a satisfactory heart tone and blood pressure resuming principle and has considerable effect on the bladder and Montages, reader a contention of the production of the producing the production of the production of the should be handled unnecessary in most cases. It should be handled to the production of the should be handled to the should be handled to the handled in the production of the handled in the handled in the handled handle

W ber F: The Tampon in Obstetrics and Gynecology a Clinical and Bacteriological Study (The Pampo act is Churishill und Gyakishege Eme Linauche und experimentali bakteriological Studie) Misiche med Win in 914, in, 3 By Zentrali I of gra. Gynal, a Geburts a. & Grenaged

Tampoung the uterus n atomic post partime himotroping is generally indicated only after other methods have failed in 15 g per cent of the cases in the Munich claim at any followed by a pureprism with high fever in private house where the acquisit is not suffer at household be avoided as far as formed in the morthage from placenta prevue her temporal particular production of the tampon should only be used temporally in transporting the paste to the ho putal the montal up 1 the cases tamponed outside the hospital was

as t per cent
The tampon 1 ind cated in treving abortion that
has already begun less so in the indiction of artificial
abortion or produce the immuno after extensive
anti-abdromand operations, and in disternit tumors
where accurate hemiostass cans t be accomplashed the carries the tampon after extensive
anot take place mer at the tampon afterony and
not take place mer the tampon through Do glas
not take place mer the tampon through Do glas
not take place mer the tampon through the place
the place mer the upper part of th tampon
not produce the parts remai do it there for the tamp
non is replaced firer so to 24 h urs by rubber
tube

In a large number of generalogs all not bet trend cases the author be examined the eat to of the uterus, bacternogocally, before the pai two of the tampo and has also cann ned th tampon the tampon that the different temperature and the substitution of the tampon of tampon o

The developme t of the bat na could be restrained it as much a at b ure of by the se fallered a perhydrol or clerm the gause most seed with mon blonde. In cot asi with the traced with mon blonde. In cot asi with the traced with mon blonde for cot as with the traced with mon blonde for a gause their mpons of at nl gause show do mormous bactern) could take the hours

RETTO RESEALS

Schweitzer B Lactic Acid Irrigations in Preg nancy (Uber die Berechtigung der Michsaurespal ungen der Sch angerschaft) Zent alb f G ak

914 xxxvni 334 By Zentralbi i d ges Gynàl u. Geburtsh d Grenzgeb

The material used by Traugust as the bases of his study of the value of lactus cast urnestions us so different from Schweitzers material that the difference in their results to very easily explained. Schweitzer points out that the longer the urngations are begun before delivery in cases with a pathological secretion the better the prognous for the purpernum irragated that is less than ten imme above better results than those that he enot been irragated at all Lact c and urngations are designed to supplement the autocleanising of the vagina or to replace the latter of it is lacking

Richter J and Hiess, V The Most Favorable Age for the Barth of the Farst Child (Dor das f r de erst G burt gustagate Alter) if sate k f Geb 1 k G 4k 913 xxx 625 By Zentralbi f d ges Gnal. Geburth s d G enzgeb

By Zentralbi f d ges Gynal. Geburtsh s d G enzgeb In order to determine the most favorable age for

In order to determine the most savorane age to the delivery the authors studied the enormous material of the kenna gnecological clans: including 50 optimizers are proposed to the primapare into 9 groups the first group including those from 3 to 6 years the math those or churty. They found that the duration of labor from the severteenth to the twenty fifth year was practically, the same before the seventeenth of a special proposed to the twenty fifth year was practically the same before the seventeenth y art seemed to be little longer and after the twenty fifth it gradually in creased and reached its maximum in primipare over 30 years old.

Judgang from the frequency of operat ons the hybosological limits for the first six due eye are 17 and 3 the nuneteenth and twenueth 3 are showing the lowest perce tage of operations. The you ge prim pare also how a lower maternal morbid by and mortality the most favorable age being from 2x to 16 the least favorable after 30. There as also the highest percentage of eclampan a primipare over thirty 17 per cent also e that age h ing calmpna 17 per cent also e that age h ing calmpna 17 per cent also e that age h ing the state of the fact that it is relate the that to be perfectioned as the state of the fact that it is related that the total controlled the controlled and the state of the fact that the state of the fact of the fact that it is related to the endometrium which would also a plain the later concerto it.

Huguier and Lorrain Hypertrophy of the Breast in Pregnancy (Hypertrophie in minaire gra dique) B il et mém Soc at de P 1 9 4 vv 4 B3 Jou aal de Chrum

A wom n of whose breasts w r comparat cly la ge became pregnant By the end f it he fourth month the breast had become enormous and were very hard with some soft spots. The patient be c me cachect c and abort n was induced. The menses reappeared as weeks after the operation but the breasts remained very large and secreted milk for six months. At each menstrual period they increased in size for a few days. They years later the pattent noticed a lamp the size of a nut in the right breast. This increased rapidly in size and the skin over it became purplish.

The breasts hung down as far as the luc crests They were soft but each contained a or hard nod The nodule ules the size of a small mandatin first noticed was as large as an orange round smooth and mo able over the deep parts. The skin over it was slightly adherent. There were no glands in the axilla and no pain except a little engorgement and formication in the right arm. The general condition was moderately good the skin yellowish. The breasts were removed at two operations The result was excellent the general cond tion is now good and the yellowish color has disappeared. The right breast weighed 2 157 gms the left 506 gms. Histologically they showed the lessons of diffuse fibroadenoma but not a trace of cancer The authors think that pregnancy undoubtedly has an influence on hypertrophy of the breasts. It is due to an excessive action of certain internal secretions acting on an already abnormal gland

Beard J H The Importance of Unnalysis during Pregnancy and the S gn ficance of the Positive Findings III so M J o 4 xxv of By Surg Gynec & Obst

The author briefly discusses the importance of unadysis during pregnancy. He takes up albu minura melituria urea and ammonia in some distail. He is of the opinion that the mportance of the microscopic examinat on cannot be overestimated it is as a whole more dependable and more readily int riperted than the posit e chemical test. The following conclusions or are nearled.

In pregnancy so called physiological buminums should be regarded as indicative of renal abnormal ity and the patient watched accordingly

2 R cognition and different ation of the different types of albuminum are imperative in order that the members of the toxic group may be discovered by their gray by appreciated and proper treat

ment nst tuted

3 The infectious and mechanical types should be carefully observed to detect developing nephritis and to only increased irritation of the re-alpitel um

A Melitura during pregnancy in the absence of clinical symptoms should by no means be interpreted as a sign of diabet—until lactosuria alimen tary and t assent glycosuria have been excluded

5 Very low urea output is a danger signal and the patient should be kept under close supervisa in 6 High aminoma may be due to increased t tal narrogen chiminated following natrogen retent on in nation cathasiss, t or it may also result from

bacterial contamination of the bladde and be un accompanied by any unfavorable symptoms

to great emphasis should be placed on per centage values in determining a radical course of clinical procedure but we should be guided by the s) mptoms, as well a the unnary hadings

8 trails sis of the urine is a means of great value in separating the safe from the hazardous cases, ad while it may not indicate shen to empty the uterus it should I ad to the adoption of such diet hygiene and medicate n as to make inters intion unnecessary in many cases and many children would be born that oth rape would have been doomed

LOUARD L CORNELL

Tassius, A. Osytocles (Cher W bearutt !) If & f Gyn k 0 4 ct 513 By Lestraibl. f d gen. Gynak u. Geburtah n. d. Crentoch.

Quan ne has the hest results in the first stage Pau tran I unglando' glanduitran and coluntra are the best in the second stage. Parmitten c used con tinuous contractions n a ca e whi h re ulted in one case nih death of the hil In pot partum harmorrhage access petugland land access secacornin had an excellent off et \mo g 104 Cases in which futuglandol was given there were no cases of c at a Louis contraction Secar min no Le best in pust partum hamorrhage - not a failure being reported in 185 ases Secacornin was used intrapartum in 24 cases on \ on Herff & recommendation In 9 cases there wer continuous contractions which it ulted n the death of the child in fe cases and deep as hy ma twice The loses a re & to 1 ccm Lieramin (prea syphenylamine) has a good ff ct in the post partum tage USS TIL

Gardland W Extract of Hypophysis as an Oxy tocic (Hyprph st extract al W bennustel) firsh

If y b to 4 543 By Zentralbi f d ges (ynik u Geb stak a d Grenzgeb I fty ases are reported Larger doses thin i gr of the infunctional gland ha e n adv ntage ver smaller doses Fat t of hypophysis is a good but not alog the reliable oxytocic to results can be expected if labo h s n t already begun It is not more effects in th sec nd stag than in the first It strengthens the cont a tions the first one gener ally being or mpi k and lasting as I ng as 45 minutes It to puriful and may be dangerous for the hild this be ge pecially true in intra enous
administration. The eff et takes place within an
born furthe fleet an be expected after that firet an be expected after that time In spite I pure puble strengthening of the co tractions som times th re was no dia cem t of labor as na h wn by repeated internal esamina

tions Especially good is its effect in hastening delivery when aton; is not present. The cause of the failures was not explained. The more frequent post partum hemorrhages are not directly caused by the extract of hypophysis

klaus II : Lee of Arkophin in Obstetnes (ther Artendung o Askophin in der Geburthilf) II sek med II kuch 1914 in 186 By Zentralld I d. ges. Cynak u. Geburthi a. d. Grengeb

The author a ports on cases According to pre yous experiments narkophin is a useful agent for dicrea ing pain in labor It has the advant go or r pantopon of being less harmful. When used in mo leration asy by ma rarely occurs. Of the 16 cases of a physica objectived only 3 could be itinbuted to this agent. Ill the children left the clinic in good condition. When properly used, narkophin has only a slight effect in decreasing the force of the contrac tions, much less than pantopon It is used during deliver) in the form of inj ct ons 1 cm represent ing o og gr narkophin or during the puerperium in the form of tablets, o or ; gr narkophin in each to prevent after pains

Schlapobersky J P: Dell ery without vaginal Learnin tion (Lut Franc de Lest a., von Geburten chue vagnal L tersuch a.,) P & 1 sec 9 4.

By Zentralbi. f d. ges. Gynak w Geburish a d. Grenzgeb.

There is always danger of infection in a ginal examination and in 90 per e t of the cases it only serves to follow the normal course of deli cry therefore the author calls att mit a to the rectal ex amination previously discussed by Olchausen Krdmg an I buch by which information can be obtained s to the posts a f the head the pelvis the fonts

clles, and the skull sutures Tense membranes and thick edges of the os c n also be demonstrated in this as Frequently the quest on of how far the on u dilated cannot be determined but Lut therget sho ho by sternal exam natt the ond tion of the contraction ring can be determined and from this the degree of d latation of the os judged. If in space of combined rect I and at road examination any question of real importa rema as upan s ered one sagnal a minat s किया ना|४ धरमा। cient to clea it up and the further course f the labor can be ill ed per rectum

The author has d in red 8 es in his private practice and o in the clin c without agreed exami nation and only once had a nie it imperatur to b 6 on account of retention of remnant of tem branes.

LOUTE ROL I

GENITO-URINARY SURGERY

KIDNEY AND URETER

Beracqua A. Histological Contribution to the Study of Congenital Un lateral Atrophy of th Midney (Contribution h stologique à l'estude d 1 trophie ongénit le unilatér le d'rein) 464 By I urnal de Chirurgi

The author describes a very rare case of congenital atrophy of one kidney in a young man of 2 who died of tubercular peritonitis without any history of urmary disease The right Lidney was reduced to the size of a chestnut It was made up of two parts one fleshy almost triangular which seemed to represent the parenchyma and a cystic part with irregular ca ities contains g a liquid made up of albumo urea phosphates etc. There were no traces of the pelvis nor of the calices nor of the renal part of the u eter The lower two thirds of the wreter was well developed the upper third was transformed into a fibrous cord divided into four or five connective tissue filaments which had no con

nection with the atrophied kidney

Histological examination showed that the fleshy portion was firmed of tubules of varying sizes ending in cul de sacs lined with a single layer of cubical epithchum cylindrical or flat. They did not resemble in a y way the structure fith normal In a numerous series of sections Malp ghian bodies were found it only on place and they were very much altered The suprarenal capsule the testicles the seminal cascles and the prostate were normal. The left Lidney was greatly hyper trophied wh h malformation was probably due to a mechanical cause Probably during 1 tra uterine life soon after the union of the secretory and excretory part of the right urinary ppar tus the kelney was separated from the ureter. This hy pothesis so ms to be confi med by the prese ce if num ous muscul f bers around the few tubules which may be onsidered a debri of the calle an i the pel 18 E JEA BRA

kieley C E A Case of Un lat ral Renal Aplasi L neet Cl 0 4 By Sung Cyper & Ob t

The author reports case of this rare condition He q tes st tistics which ry as to the frequency of the cases found at autopsy has a result of the comp I tion of these figures there were recorded 8 cases a 36 643 aut pases making the neident about one in oco He was able to find 30 cases recorded w thout

hypertrophy including 3 cases of secondary con tracti n

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in these cases is due to this condition and is not merely accidental as shown by the frequency of pathological conditions in the opposite kidney. The author calls attention furthermore to the fact that there are two cases on record in which nephrec tomy was done in ignorance of the existence of this condition

In the reported cases great variation in the con d tion of the monolateral ureter is reported HERMAN L ARETSCHULR.

Harpster C. Vi An Interesting Case of Renal Harmatura a th Three Anomalous Renal

Arteries. Oh Si V J 19 4 27 Bj Sur Gynec & Obst

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HERMA L ARLISCHMER

Benjamin & E Cystic kidney Inter 1 J S g 2 1FC7 L 0 By Surg Gynec & Ob t

The author summanzes briefly the pathology and symptoms of cystic Lidney with reports of nine personal cases on which he had perated lie points o t that only by ea ly recognition of the cond to can there be hope of benefiting the patient H L SAN OND

M chaniewski A Surgical Operations in Poly Anniewski 4 Surgana Operana hru ger les Casti Kadney (Des 1 t rentions hru ger les dans le run polykystique) This 2 d dot P 0 4

The author go s a very complete history of surgical operat ons for polycystic Lidney and reviews at le gib the question of a dicata as for opera tion Lik the majority of auth is he believes in the necessity of operation in cases of complications uch as suppuration persistent hematuria

7 No great emphases should be placed on per centage values in determining a radical course of ymitom as will a the unnary findings.

8. Analysis of the unne is a means of great value in senarating the safe from the hazar lous cases and while it m s n t indicate when to cmi to the uterus it should lead to the adopt n of su h d 1 hymne and m dication as to make intervation manners with in miny case and many children would be born that oth ruse would have been loom if

Lo an L Co Lit.

Oxytocica (Cher W benmitt I) 1 ## By A 1 dbl () ces () mak to Coburtale a L (renered

Ount e has the bet result in the fest st ge littu t in g tugl ni l glaniu tre and coluiten re th be t in th won I stage Thinking cause I con tin u ont to in a cases, wi ch resulted a one case n th 1 ath 1 th ch ki In post partum m patuglandol an 12 cm secacornan ha morrhage titugt nich w green there were no cases of contin u us nt a tion Secatornin works best in pospartum hamorrhage - not a failure being reported n 14; as wea en n was need intrapartum in 24 son hall effer commendate a la o cases w re ontinuous contractions which re ulted th. in the lath of the child in fi cases and deep The dises were \$6 to 1 ccm tihi xia twic Li ramin (para o yphenylamine) has a good effect Dutex in the post partum stage

G reliund W: Latract of Hypophysis as an Oxy tocic (Hypyphyse trakt als W beaunti I) 4rck f G₂ 2 0 4 1 5.14 By Jentralld I d.ges Cynsik a Geburtsh a.d. Grenzeb

I ity cases are reported Larger doses than 0 1 gr of the infund bular at not have no advantage over small r does Late t of hypophysus a good but not it gether relial is oxytoric to results can be expected if labor has not already begins. It is not more if cur in the second stage than in the first It strengthen the ontracti us the best one gener alls being or mid ke and la ting as long as 45 min it is a ry painful and m y be dangerous for the child thus ber g specially fru in i true nous administration. The effect it is place within an hor no furth off ct can be expected after the In pt of pe c ptabl strengthening of the tra tions som times there was no ad no ment of labor as was shown by repeated intern lexamina

tions. L pecually got i is its effect in ha t delivery when atony is not persent. The car th fastures was not explained. The more for host partum hamorrhages are not incily by the extract of hi pophisis

klaus II Lee of Narkophin in Obstetrics Vern and ag v a Natherphia der Gab Manchen sand il A che to 4 iz 186 il) Zent ilbi i d ges i vank, u Geburtsh a. d. C

The author reports oo cases Acc plane tions experiments much phin is a meful a de making pain in labor. It has the advant pantopoin of her gless harmful. When I pantopon or ter g test astrollus, when mod ration physic randy occurs Of the f asphysic observationly 3 could be (171) this agent. All the hilder is left the lin-con lation. When properly used narkog his a light effect in lecreasing the force of th tions much less than pant pon It is u d livery in the f rm of injections 1 cm ing o og gr nark ophin or I ring the put the form (t blats o out gr n th ; hin ; prevent after pa as

Schlipobersky J Pr Delivery without i kamination (Zurl ageder Let g h e gnale L ters huno) P ti 111 20

By & traffil f d ges. (a) k u feeburtsh.

There is always do gur of of cu saminat n and in 90 per cent f th serves to follow the n mal c urse then fore th author calls attention t am nati a pre you ly I scussed by Ol, nig an il the by which information as to the pos tion of the head the pe nelles and the skull utures. Tense re thick dies of the os can also be d m

brequently the qu to n of l idated cannot be fetermined I she show by t mal examinatio the co tr ction to g can be dete r this the degree of dilatation of the pite of combined cetal and e t any question of real mportan . cacut to clear it up n I the fur

The a thor ha deli ered & practice and o in the cl me il nat a and only once had a re 396 on account of rei at a o

GENITO-URINARY SURGERY

KIDNEY AND URETER

Bevacqua A. Histological Contribution to the Study of Congenical Un lateral Attophy of the Eddney (Contrib tion histologique à letud d l trophi organiale unlaterale du rem) trophi ongénitale unilatérale du rein) of 19 4, 11 464 By Journal de Chi argi

The author describes a very rare case of congenital atrophy of one Lidney in a young man of 22 who died of tubercular pentonit s w thout any history of unnary disease The right kidney was reduced to the size of a chestnut. It was made up of two parts one fleshy almost triangular which seemed to represent the parenchyma and a cystic part with pregular ca thes containing a liquid made up of albumin urea phosphates etc There were no traces of the pelvis nor of the calices nor of the renal part of the u et r The lower two thirds of the ureter was well developed the upper third was transformed into a fibrous cord divided into four or fi e connect ve t saue filaments which had no con nection with the atrophied kidney

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ki lev C E A Case i Unitateral R nal Anlassa 94 11 5 Sure Gynec & Ob t

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In the reported cases great variation in the condition of the monolateral ureter is reported HERMAN L LREISCHM

Harpster C. M. An Interesting Case of Renal Hæmaturus with Three Anomslous Renai Artenes. Oh St. W. J. 19.4 v., 7 By Surg. Cynec & Obst.

The case reported by Harpster is a very interest ing one fo three reasons (1) Three years previously the author had removed the right testicle and cord from this patient f r a sarcoma The onset of the hæmaturia was insidious (2) \ possible traumatic origin of the hamorrhage might have been explained from the fact that the patient was injured by an automobile which struck his right side a few days previous (3) At operation three anomalous arteries were found. As one of the possible causes of the hamatura the author mentions rupture of one of these branch s of the renal artery into the pel 18 of the Lidney It would have been into est ing to have had hi tological reports of pieces ex cised from arious parts of the Lidney or better still to have had sections of the e tire Lidney to wh t pathological changes were present maxmuch as the author states a soft degenerated spot wa found on the upper pole

HERMA L KRATACHMA Benjamin, A. E. Cystic kidney Inter 1 J Sure

By Surg Gy ec & Obst

04 75

The autho summarizes briefly the pathology and symptoms of cystic Lidney with reports of nine personal cases on which he had operated. He por t out th t only by early recognition of the th re be hope of benefiting the pats at cond tion H L S TORD

Surgical Operation in Poly Muckan w Li A kan % Li A Surgical Operation having cales cy tic kidney (Des terrentions having cales dans le re polyk) stique) That if doi: P q 4

By Journal de Chrurg.

The author gives a very complete history of urgical operations for polycystic kidney and reviews at le gra the question of indications for opera tion Like the majority of authors he believes in the necess ty of operation in ases of complica tions such as suppuration, persistent hematuna

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La un l Corvera

Tassius, A: Oxytocics (Cher W. h. matt. i) 1 & f G) ak 1914. 1 513

By Zentr ibi f d. gen. () nak 11 Geburtah n. d. C eng rb

Outside has the like t results in the first time Pituitrin intugland I glan luitrin and col trin re the be tin the ec ad stage Litu tran cause i c a tinuous contraction in a cases, which roulted in one case in the dethe lake hild the not narrum hamorrhage accm patuglan lol and accm secacorum h d an ac lient effect. Smorg 102 cases in whi h minglan lol was given there were neares forth nous contraction. Secacornin works best in he t partum hemorrhage - not a failure being r porte l in 18t cases Secacornin was used intrapartum in 24 cases on Von Herff ar commendation In o cases there were coll tious contractions which is ult d in the leath I the this in five cases and deer asobiasa two The doses w la to a com Literamin (para-oxy) henvlamine) has a good effect in the 1 st partum stage

Gardlund W. Extract of Hypophysis as an O y toole (Hypophysene trakt | Whe mit |) ind

By Ameralia f d gen Cynak u Geb rish n.d. (renegeb.

It is, cases are reported. It represes than 0 sg of the nitual builtst gint have no ad nituge of smaller does Lattr to flypophysus as good but not allogether of the vector. No result can be expected if labor has not in ady begun It is not more effect; in the ser ad lang than in the first it sire gish as the contractions the first one greatly being r mild and may be dance, us f r and ly being r mild and may be dance, us f r be child thus but g be tally tree in not remove administration of timber five can be expected after the time. In spate I pers pulle tert ghen at I toolitations soon I must be reason administrations soon I must be reason administration.

tions L-specially good is its effect in hastening leavery when atony is not prevent. The cause of the failures was not explained. The more frequent post partum hem ethages are not directly caused by the estract of hypothy is.

klaus, II : Lee of Narkophia in Obstetrics (Über

d g on N kophia in de Gelt rishili f

Mu h med li ch h 19 4 h 86

By Erntralibi f d. gen Cynik Geburish d. Grenigab

By Zentami i a ges-topal. Cebarths d. Grasagh
The audit or riports oc cases. According to protine set | rum nits mitophin is a usful agent for
derraasit ge anin labor. It has the advantage or
pant pra of bet g less harmful. When used in
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f a physia observed or by a c uid be attributed to
the age t. Ul the chaldren force of the outract
a light offset in derrasamy file force of the outract
and the contract
to the contract
leaves to be a contract
to the
Schlapobersky J P: Deli ry witho t Vaginal Familio (Zurl rag der Leit ing von (h rten ohne vaginale U tersuchung) Proti I h 9 s

B) & : albl. f d. ges. G) nak u Gebartah. d. Crenegeb.

There is all any darper of affection a vagan it of amunation and up on per or of other cases to by serves to follow the normal course of delivery then fore the thorealls attention to the rectal amuna it is the best of the cases and the server of the there are the server of the there are the the there are the

The author has deb red 8 cases has printed from the first has debtered a series of the practice and to 1 the like that tagned arms in ton and to by once had a ree of timperative to 380 on account frite tron frium t frium by nes

GENITO-URINARY SURGERY

KIDNEY AND URETER

Beracqua, A Ilistological Contribution to the Study of Congenital Undateral Atrophy of the Aidney (Contribution histologique à l'tud d'atrophie congentale undatérale d'rei) Fol rol 914 : 454 By Journal de Chrurgi

The author describes a very rare case of congenital atrophy of one Lidney in a young man of 22 who died of tubercular periton tis without any history of unnary disease. The right L dney was reduced to the size of a chestnut. It was made up of two parts one fieshy almost triangular which seemed to represent the parenchyma and a cystic part with pregular cavit es contaming a liquid made un of albumin urea phosphates etc There were no traces of the pel is nor of the cal ces nor of the renal part of the ureter The lower two thirds of the ureter was well developed, the upper third was transformed into a fibrous cord divided into four o five connect tysue filaments which had no con nection with the atrophied kidnes

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kieley C E Case of Umi teral Renal Aplasia

La / Cl 9 4 5

By Surg Gynec & Obst

The author riports a case of this rare con lition H quot t tist es which vary as to the frequency of the ases fou d at autops) is a result of the compilation of these figures there were recorded 8

cases in 36 643 utopsies making the incident bout ne in oos lie was able to find 30 cases recorded without hypert ophy including 3 cases I secondary con t act on

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in thee cases is due to this condition and 1 not merely accidental as shown by the frequency of pathological conditions in the opposite Lidney. The author calls attention furthermore to the fact that there are two cases on record in which nephrectomy was done in ignorance of the existence of this condition.

In the reported cases great variation in the condition of the monolateral ureter is reported

HERMAN L. KRATSCHARE.

Harpster C. M. An Interesting Case of Renal Hematuria, with Three Anomalous Renal Arteries Oh St. W. J. 1914 x 271 B) Sur Grace & Obst.

The case reported by Harpster is a very interest ing one for three reasons (1) Three years previously the author had removed the right testicle and cord from this patient for a sarcoma The onset of the hæmatuma was in dious (2) \ possible traumatic origin of the hamorrhage might have been explained from the fact that the patient was injured by an automobile which struck his right side a few days previous (3) At operation three anomalous artenes were found as one of the possible causes of the hæmaturia the author mentions rupture of one of these branches of the renal artery into the pel s of the Lidney It would have been interest ing to ha e had histological reports of pieces ex cised from various parts of the kidney or better still to ha e had sections of the entire Lidney to determine what pathological changes were present masmuch as the author states a soft degenerated spot was found on the upper pole

HERMAN L KREISCHMER.

Benjamin A E Cyatic Kidney Int t J Surg 9 4 n 5 By S g G; ec & O t The author summarizes briefly the pathology and

symptoms of cystic Lidney with reports of mine pe sonal cases, on which he had operated. He point out that only by early recognized to of the condition can there be hope of benefiting the pat ent. H. L. Saxrono

Mickan ewski A. Surg cal Operation in Poly cyst c kidney (D terre tions h rurgicales dans le rein polyk) tique) Th es d doci P 9 4

The author gives a very complete history of urgical operations for polycystic kidney and re news at length the question of indications for ope a tion L. L. the majority of authors he believes in the nec saity of operation in cases of complications such as suppuration persistent thematura.

hydronephrosis displacement of the kidney anuma. intestinal occlusion and even intolerable crises of

Before any operation the soundness of the oposite kidney must be determined by catheteriza tion of the wreters and examination of the urine from each If the Lidney is functioning normally nephrectomy by the lumbar route may be performed but this operation should be reserved for cases where suppuration or abundant hematuria makes any other impossible for t removes a Lidney part of which was normal and leaves all the work to the other which is always slightly diseased. If the opposite Lidney is found insufficient conservative operations should be performed in the case of suppuration acphrotomy is anuna nephrotomy is the only operation possible but its value is questionable

If there is a large displaced polycystic kidney which is movable and painful nephropexy with decansulation and excision of the cysts is indicated In all other cases he rejects the method of puncture and incision of the c3 ts with marsupialization and ad uses partial nephrectomy or better yet decapsulation with excision of all the cysts latter operation was performed by Taendler in 1894 but has been little used. Only three cases have been published to which the a thor add two unpublished cases. The results were good in all

L. CAPETTE.

Oertel II A Contribution to the Knowledge of Experimental Nephritis Laure Loud 1914 lxx : 150 By Surg Gynec & Obst

these cases and he advises the operation.

The uthor describes the ction of certain poisons on the Lidgey and the results of his experiments on

the lower animals Lyon in 901 showed from his o n experiments and the investigati as of others that a cantharidin poisoning there occur of only vascular injury and reaction but a diffuse necrosis of the secretory tubular cells a d that in poisoning by bichloride of

mercury glomerular lessons may also be present Pearce and Lisenbrey demonstrated that neph rotoxi and hemolytic immune sera cause changes which by physiological methods present no evidences ascular injury but which are anatom cally characterized by exudative glomercular lesions of moderate severity. In arsenic poisoning on the other hand, physiological methods show profound vascula change but the anatomical in estigation shows little or no vascular lesion

Aschoff ad Suzuki find that uranium a d mer cury produce necrosis of cells associated with a dropsical hy h e degeneration cantharidin on the other hand prod e necrosss with marked swelling and acuslisation f the cell. They come to the conclusion that all poisons act prim rily on the parenchy ma

Opic s invest gut us dem instrated that canthar idin exerts decided influence on the lymph for cortical subst ace

of the h er which is associated with definite struc tural changes.

The author has recently carned o an avestiga tion into the structural changes which canthands bichloride of mercury and uranium nit are produce in the liver of rabbits where doses usually employed and sufficient for the product on of nephritis had no effect on the liver

Fifteen animals were employed of these 7 were poisoned with varying doses of cantharid a of a strength usually employed in the study of experimental nephritis 4 were in similar fashion poisoned with bichloride of mercury and 4 with uranium mirrate. A summary of results follows

Canthandm produces a rapidly progressing and general parenchymatous degeneration and necrosis associated almost from the beginning with tremendous hemorrhagic vascular engorgement and cellular exudation these lead even in small and moderate doses to a marked and rapid disorganization of the liver The accompanying constitutional symptoms are severe and speeduly lead to death

In mercury the picture s controlled by paren chymatous and fatty degeneration with which ordematous swelling is associated. These lead according to dose and susceptib lity of the animal to rapid or retarded solution of the cell especially in the central parts of the lobules. Somewhat similar t mercury are the changes brought bout by uranium, but a much greater inflammatory ordema or serous exu date and a greater swilling vac obration and cytolysis of the parenchyma in kidney and liver

distinguish it from mercury poisoning.

The conclusion may therefore be drawn that canthandin mercury and uranium are not selective porsons, that they affect not only the Lidney but the hace and that they avolve in both organs the pare chyma as well as the circulatory system

In conclusion the author calls ttention t patho

logical changes in the liver of untreated rabb ts Care must be exercised not to confound on the one hand the res its of idiopathic i fections with the results of experimental procedures and on the other hand the evide ces f i r regene ation occasionally acountered untreated rabbits, with normal conditions or related to no mal ?

Wegelin and Widbols Anatomical Study of the Early Stages of Chronic Tuberculous of the Kidneya (Anatomsche U teruch agen on Frühtsdarin der chronischen Viert i berkulos) Zir kr f urd Chr. 9 4

roi Chr 0 a By Zentrallal f d ges Char

The authors made a cry ditailed line al and anatomical tudy of 15 cases. They say that i.d. ney t berculous is demon trable in the when functional diagnosis sho so ly I ght lt ra function a d when tomic lly caseo ca ernous dist tegr t on has affect if only part of the py muds and has not penet at d t the

From their research they reach the following con

Macroscopically the tuberculosis is mostly local uzed in the papillæ this finding is characteristic of the disease. The simultaneous involvement of several papillæ is probable. Tuberculosis of the cortex was found in some cases but large caseous foct were not found. In 6 cases clearly defined tubercles were found in the Lidney pelvis Microscopically the authors found that chronic tuberculo as of the kidney is localized primarily in the pura mids if foci were found in the cortex they were secondary The lateral surfaces of the pyramids are first involved also the niches of the calices subepithelial tubercles de eloping. By secondary cystic dilatation of the collecting tubules tubercular foci arise in the pyramids themselves. These tu bercles in the pyramids run perpendicular to the surface of the k dney like rows of peatls along the small arteries. The cortex first becomes diseased over the diseased pyramids or in a circumscribed wedge shape and becomes atrophic, like an infarct

There are three ways in which t is possible for the bacilli to reach the pyramids and calices (1) The direct hamatogenous which the authors do not think is very important (2) the indirect hama togenous in which the bacilli reach the kidney in the blood stream are then excreted with the urine and mechanically remain lying in the niches of the calices which are not flushed out much by the urine. The authors believe this is the most im portant way for in direct infection of the pelvis from the urmary passages the same anatomical picture occurs (3) the assumption of infection by the lymphatic route is scarcely justified. The urmary blood and lymph passages all take part in spreading tuberculosis of the kidney E tension by way of the urinary tubules is possible in stasis of the urine Extension by the blood essels is of slight importance. The fact that the tubercles appear like strings of pe ris parallel to the small kidney arteries w thout the walls of the art ri s being involved indicates that e tension takes place through the lymph channels accompanying the arteries. In the neighborhood of the tubercles there are changes in the parenchyma. There is infiltration with plasma-cells and lymphocytes which is due to toxic effects of the bacilli and atrophy of the pa enchyma especially in the wedge shaped focum the cort x

From the anatomical in ture conclusions can be drawn as to the virulence of the ind ction. General by there is a tendency to caseation but in the pen phery there are fresh tuberfeel. Individual cases abow sight tendency to caseation which indicates allow progress of the parenchymatous destruction. In other cases the tendency to caseation as very Reparative processes—fibrous transformation of the tuberfee —were beened in only one case where there had been no climical is purptous of kidney tuberculosa and it was found by chance in an autopsy after typhod. But even this case showed a large caseous focus at the aper of the papilla. The authors admit that there may be a primary localization of the chronic tuberculosa in the cortex, which may result in recovery with the picture of a tubercular contracted kidney analogous to tuber cular currhous of the liver with destruction of the parenchyma

Suter, F Treatment of the Ureter and Healing of the Wound in Nephrectomy for Kidney Tuberculosus (Zur Frage de Uctervenorguag und Wundhelung bei der Nephrektomue wegen Nere t berkulose) Zische f und Ch. 9 4 u 264 By Zentralbi i d ges Chr u Grenngeb

One of the unpleasant complications in the operative treatment of kidney inherculosis is the frequency with which fistules of the ureter follow the operation. The question of how the tubercular ureter is to be attended to has so far not been definite by answered.

The author describes his experience in 66 cases of operation for kidney tuberculous which shows that at least a part of the complections can be avoided. His results in the healing of the wounds have marked by improved with time A first only a third of the cases healed by first intention now five sixths of them do

The improvement in results is explained partly by the most rigorous asepsis and the greater safety and quickness of the operation — he has done away with in oluntary opening of the diseased kidney or ureter — and partly by a very careful and exact method of dealing with the ureter as follows

The ureter is soluted don a nard as far as desured in a it is cruised with a strong broad forceps and a silk ligature is passed about the upper and lower edges of the cruised area it is then burned through with the thermocautery. He does not believe in the put cuture of caverns. In large Lid noss that are located high up under the costal arches to unbeatstungly resects the tradith mb and has never seen any bad results from it. In this way he then the contract of the contract of the solution of disease of the ureter has no effect on the hand of disease of the ureter has no effect on the hand of disease of the ureter has no effect on the hand of disease of the ureter has no effect on the hand of disease of the ureter has no effect on the hand of disease of the ureter has no effect on the hand of disease of the ureter and the most careful aspead uning the operation.

Robertson W E: kidn y Disease with Special Reference to the Test for Functional Capacity Y 1 M J 0 4 xxx nr

W 1 M J 9 4, xxx 97

By Surg Gynec & Obst.

The author attests the extreme value of the

The author attests the extreme value of the phenoisulphonephthalen test in diagnosis and prognosis of diseases of the lidney. The case with which the extent and presence of renal disease even up to and including the actual development of uramas when the usual laboratory and clinical methods of examination are made use of is shown.

hydronephrosis, displacement of the kidney anura, intestinal occlusion, and even intolerable crises of

pain.

Bifort any operation the soundness of the opposite kidney must be determined by catheterias
its of the unit-rand examination of the unite from
each if the kidney is function g normally nebut this operation abould be reserved for races
where suppuration or abundant harmsturia maleca
my other imposs be for it removes a kidn y part
of which was normal and laxes all the work to the
other which is always algably diseased. If the
opposite kid ey is found in ultrient consertative
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operations hould be part med in the case of
operations hould be part med in the case of
is the only operation possible but its value is

which is morable and punitud polypore kidney which is morable and punitud perhapsees with decapsulation and excision of the cysts is indic ted. In all other cases he ru, cits the method of j uncture and incus in of the cysts with marvupsihization and da use jarrial nephercimary or better decapsulation with act ion of all the cysts. He atter operation was performed by Ta indice in a latter operation was performed by Ta indice in have been public hed to which the author adds two unpublished cases. The results were good limited.

L C PATTE

Oertel II A Contribution to the Knowledge of E periment 1 N phritis. Law 1 Lond o A
these cases and he advises the operation

on the hidney and the results of his experiment in the lower in mals

Lyo 1904 ho td from hown experime ts and the in testigate no of others that in cantha idin possoning there, or not only aswullar 1 jury and reaction but a diffuse necrous of the secretory tubular cits a d that in poisoning by bichloride of

mercury glomeral r kusons may also be prevent.

It ree and Laynbry of montrated that it phetovor and hemolytic immu us so a cause changes which by hy sological methods prevent noe identified of acculation in the high prevent noe interested of acculation in the high prevent necessary of mercural relocations of mode at severity. In arise, possoning, an the other hand, physiological methods show profit and vascul r hange, but the nationical investigation shows little. O Assular 1 was

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Wee lin and Widbolz: Anatomical Study of the Early 5t ges of Chronic Tuberculous of th Aldrey (Anatomuch: Uterach agen on Fuhatadic der hronischen Nierentuberk lose)

Finder f week Ch 0 4 20

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The thors made a very detailed chir cal and

ane moute a very utrained cun cat and ann miral tudy of 15 cases. They say that kid ney t becauses is demo strable a the arry tages whe f cto al it gnoss show o by light alte times in function and when anat mirally caseous exter our disantegrath has flect d only smill part f the pyr m ds and h s not penet ted to the contrad ubstance Furniss, II D Supernumerary Ureter Opening Extra calcally Surg Gynec & Obst 9 4, xvm, 584 By Surg Gynec & Obst

The condition in the case was suspected from the heaterestic history dribbling ance burth and votating normally. The aberrant urelest rassecovered with difficulty and only after it was found that the control of the user of the control of the user formed a fusion that an early and of the user formed a fusion that an unch and a half long back of this the unter was tackened and easily dissected out for another inch and a quarter. It was implanted into the bladden just to the more side and back of the normal ureter of that side. The necessary room for the performance of this operation was obtained by a paracretal incision through the vagina. The result was satisfactory.

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BLADDER, URETHRA, AND PENIS

Swan R. H J Tumors of the Urmary Bladder
Lancet Lond 9 4, clxxx 1, 309
By Surg Gyacc & Obst

Swan covers the subject from his own experience together with fifty eight cases the twere then under his observation

He considers the etology as practically unknown in that relation however inflammation bilharzal ova and workers in amine dyes are mentioned Outside of villous papilloma (hengin) and carcinoma other tumors of the bladder are considered rare

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tial point of distinction in favor of a papilloma when it entirely ceases at intervals Cystitis is frequently the associate of carcinoma yet foreign to papil lomata

A case is reported whereby a uret r block occurred from a papilloma engaging the ureteral mouth from the cr tic side. The kidney obstruction which followed was releved upon the removal of the villous papillomata

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In twenty three epitheliomatous cases reported seven were operated upon — two being complete resections. Recurrence occurred outside of the blad der in one in eighteen months in another in twenty

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Chapter E Banners

Werelius A. Traumatic Detachment of the Bladder from Symphysis Publs with Complete Severance of Urethra Use of Labia Minora as a Substitute for Necrosed Anterior Vaginal

Walt J Am M 4 9.4 lrxu, 1722

By Surg Gynec. & Obst.

The author reports a case of pressure necrosus of the author reports and and dother than the proposed and t

the anterior vaginal wall, due to prolonged and dif-ficult instrumental labor in which the urethra had completely disappeared and the bladder was en tirely detached from the symphysis and was sus pended only by the ureters and the perstoneum covering to posterior surface. The case was seen five months after labor and gave a history of complete incontinence of urine since delivery with profuse vaginal discharge When seen the patient was in a gene al run-down condition and had lost con siderable weight Vaginal examination revealed an almost complete absence of the anterior vaginal wall and the bladder could be protruded far out of the vagina. There was no sign of any urethra Two unsuccessful attempts were made to close the opening by bringing the edges of the remains of the vaginal wall together after freshening and under cutting them. The defect was finally closed by freshening and incising the edges of the labia minora. along the outer and upper borders and dislocating them inward over the vaginal defect and suturing w th chromicized catgut C R. O CROWLEY

Martin C The Correct Interpretation of Bladder Symptoms Med Fort 2th 914 xi 177 By Sur Gynec & Obst

The author lays stress on the fact that bladder symptoms have an antecedent mechanical or ner ous citology. He says in the vast majority of cases it a mechanical. He states that the three symptoms which force the patient to the physician phasaes the fact that the functional Re emphasaes the fact that the functional causes of three symptoms should be carefully studied and removed if possible

Of the intravesical causes f bladder symptoms the author discusses, first stone in the bladder and lays stress on the frequent use of the cystoscope for the determination of the same He also states that Seven cases are revewed illustrative of the information to be gained by the use of the phthalical test. The drug is injected intransucularly and the first spectmen collected an hour and 15 minutes later A second and third collection are made at the end of each succeeding hour "hormally the largest amount is climinated at the end of the first hour and 15 minutes the amount varying from 30 to 30 per cent and 15 to 25 per cent at the end of the next Alborrally the conditions the third specument Alborrally the condition and the presence of the contraction of the greatest amount as climinated in the second or even the third hour and in the urams or impending urams chumustion is often too slight to permut of definite resulting in any of the specimens

PRANE HINNAN

Stevens, W.E., The Comparati e value of Modern Functional kidney Tests. J im M is 1914 in 1914 By Surg Grace & Obst.

The author suggests that some of the older tests of renal function have been recklessly and unjustly abandoned in favor of the phthal in test of Roan tree and Geraghty and belie es that no one test is sufficient. He made comparative studies of the urcal phloridzin and phthalein tests after ureteral catheterization Two cem of a o 5 per cent phloridzin solution were injected imtramuscularly immediately following the insertion of the catheters and while the appearance of sugar was being awaited specimens were collected from each ide f r mi croscopical and urtal examinations \ fifte n minute collection was made after the prearance of reduction of lehling a solution and a quantitative estimation of the sugar output estimated by means of two Lohnstein saccharimeters six mg of phthalein were then in cted intravenously and after the appearance of the dye a fifteen minute collection and a quantitati e colorometric timation were made This gave three sets of figures for each Lidney The urea concentration the quantitative fifteen minute output of a gar following phloridan injection and the quantitative aftern minute out put of phthalein. The sugar appearance varied from 01/2 to 31 minutes and the outp t from 1 to 3 2 per cent-normal cases presum bly being The author finds that the tests apparently parallel each oth r and that the phthalem test as compared to the phloridan is subject to I wer t chnical errors and takes less time F HOMA

Elsendrath D N. The Effect of Injecting Collargol Into the Renal Pcl i Ircliminary Note. J Am M A 9 4 1 1992 By Surg Gyner, & Obst.

The author shows that the normal capacity of a dogs renal pel as a viscem. The ty cem of a loper cent isolution of collargol inject d under a pressure of on mm of Hg produced de the whin ten manutes. Autopay sho ed collargol in the lungs liver kidney spicen, and st mach mucous membran and free in the blood vessels. In a second experiment 30 ccm, of collargol were injected under 100 mm. of Hg. pressure The animal died within thirty minutes. In this animal most of the collargol escaped into the tissues around the renal pelvies but small amounts were found in practically all of the viscera.

V D LESPENSES

Stoeckel W: Exclusion of the Kidney by Artificial Occlusion of the Ureter (Uber de Auschalton der Neter der Altasithen Ureterenchius) 2 str Bd f Gy & 1014 xxx m 56
By ZentzBd. f d.gx. Qyakk. u. Geburth a. d. Grensgeb.

In answer to Bumm a paper read before the Berlin Generological Society on the cutting off by a liga-ture and lowering of the injured ureter Stocckel enticizes the methods in u e where it is impossible to implant the ureter in the bladder or to suture He rejects implantation of the ureter i to the intestine implantation of the injured into the uninjured ureter the insertion of grafts, immediate nephrec tomy and formation of a fistula from the ureter through the abdominal wall and in place of cutting off the ureter by ligation and low ring it which does not leave the preter water tight he recom mends as the best and simplest method the artifical kinking of the ureter by tying a knot in it and lighting beneath the knot. If the other kidney becomes assufficient it is very easy to gi e local an arithmia, make a small pararectal longitudi al in cusion and open the knotted and lowered ureter extr pentoncally The excluded kidney is still

lose the capacity for exercting water for months

Fischer A thione of the Leet in a Child One and
One-Half bears Old (Unterstee e be men
15f J larges kinde) Zit b wol Ca 41
1175 By Zentralk f d ges Chr a. Genagek

unchanged after four days after ar d ys it loses the

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Werelius, A Traumatic Detachment of the Bladder from Symphysia Publa with Complete Severance of Urethra Use of Labia Minora as a Substitute for Necrosed Anterior Vagunal Wall J Am M A 9 4 lxxu 722

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frequently the etiology of stone is an enlarged prostate and that it will be futile to remove the stone in the bladder without removing the prostate.

The author next discusses tuberculous of the bladder laying stress upon the point that an irritable bladder is frequently the first as improve the colors and quotes hare as saying that oftentimes nocturnal coursess and this particularly in the case of young anamic children may be the single chinecia symptom of a beginning tuberculous the final determination of which must be made by the laboratory and the cystoscope. The author further states that an irritable bladder may show no cystoscope though shatever except possibly the halo expert findings whatever except possibly the halo described by Thousano Walker, that is the minimate of the uncertae alloed supply with that of the case of the control of the uncertae alloed supply with that of the control of

He further discusses the question of tuberculous of the prostate as a cause of cyntiss and states that a carrial rectal palpation will frequently develop nodular prominences, or a thickening at the end of the ureter may be felt per rectum or per vagma

The author then ducusses the effect of gonorrheral infections upon the bladder and says that a general genorrheral cysitus is rare but infection of the trigone is frequent. He says that these cases often on diffic ity of diagnosis on account of the sudden sensures of pain frequency urgency and possibly a hittle blood following micrituition.

The author discusses the question of atone in the provise as a cause of bladder symptoms and recommends the free use of radiology in the disgnoss of these cases If also touches on the question of hipertrophy of the provisite as frequently causing

bladder symptoms
The last half of the paper 1 given up to the discussion of the question of vesical symptoms consequent upon the spinal lession. He emphasizes
the fact that great care must be used in the diagnoss
and recognition of these cases and that nervous
diseases producing bladder symptoms should be also
diseases producing bladder symptoms should be also
diseases because great harm may be done
to the bladder whose incompetency in due to a spinal
leason. The author lays great stress on the danger
of cathetensation in these cases producing an inflammation from which the patient never rece err.

The anthor likewise discusses the verumontanum and its inflammatory discusses frequently causing bladder symptoms and recommends a careful study of this organ as well as the seminal vesicles in every case of bladder disease.

Squar has reviewed the literature concern g the cure of vesical divert cula by operation and has further contributed toward the technique. Chute Lerch Lower B yan Berge er and Beer have either collect do reported cases. The one reported by the author had a marked pyuna with a bacillus columfection. The amount of residual urine was thirty ounces. Cystoscopy showed a di erticulum opening. Stereoscopic radiographical examination with 15 per cent argyrol outhood an immense discreticulum.

Upon operation, the diverticulum was found strongly adherent in the auternovalia of the rectum and sigmoid. The bladder was opened and two intestinal clamps placed so that one blade of each was in the bladder and one in the diverticulum thus approximating the posterior wall of the bladder to the anterior wall of the bladder to the anterior wall of the bladder to the catterior wall of the bladder to the country of the count

and prevenced space
Two months later the residual urine was from one
to two ounces while the capacity of the bladder

was twelve ounces

The author a conclusions are that in an bour gives
bladder division and suturing is the best method
especially as this does not necessit te transplanta
tion of the urter; but in some divirtucial excision

by Lower s method is the better one

Dor H Urethrectomy without Suture in Stric ture of the Perineal Urethra (Essa ur i refretome sans ture dans in refrecessome t de l'ure re pérméal) Il se d'écel P 93 By Journal d'Chrungie

Dor enticizes the results of Heit Boyer's are threetomy and describes a m thod which Escot has used 13 times. In this method the upper wall of the canal is spared

The steps of the operation are as follows (1) Ex ternal urethrotomy incision, isolation of the fistulous tract and external liberation of the urethra and persurethral tumor (a) lo gitudinal i cision urethra nd resection with curved scissors of all the fibrous tissue including the urethral wall itself only the upper wall being spared (3) a rubbe sound is passed through the meatu toward the bladd r (4) the skin wound is sutured t the angles and the remainder left open The wound is tamponed the tampon being changed the fourth day The nighth day the sound is removed and the patient urnates entirely through the perincum Every two days a bouge is passed beginning at 40 to of the urethrs and bladder is performed at every dulatation

In the cases reported by the author creatruation out place between the twentest hand fifterth days look place between the twentest hand fifterth days look only one case a small fistual persisted which closed spontaneously about th t in mo th Enamination of the patients at a late date sho ed that they could not be sonsiered adeality und They must be watched and submitted to catheter settom.

Garno Proor

Roth M and Mayer T The Practical Value of Posterior Urethroscopy im J Urol 94 x 214 By Surg Gynec & Obst

The first and perhaps most important cause of pathological findings in the urithra is gonorrhoral here we may have either a soft imfiltration comparable to that found in the auterior urelitar in which the internal sphincter is swellen and the colliculus inflamed and presenting one or more projections or a hard infiltration resulting in structure formation which is much less common. Pro literative changes represented by the formation of rapperry like polym are frequent occurrences at the virunostations in a fromet posterior genorrhoral authoration and the same proport on those chancilly cured of the condition of the condition.

Objects esymptoms such as persistent discharge terminal hematuria and hematospermatorrhosa may or may not be associated with the above pathological continons Conversely these con ditions may exist without any symptoms whatever

and in 46 per cent of the cases without the existence

of any antecedent conorrhoea The authors also found numerous ab ormalities in the urethras of p t ents suffering from symptoms of sexual neurasthenia such as erections and pol lutions They also found various types of prolapse of the mucosa and of granulomas in the membranous urethra However they do not regard these changes as the cause of the symptoms (pollutionis etc) but rather as the re ult of the accompaniment thereof In support of the view they point to the favorable results obtained by therapy such as int rnal medication which is not directed toward the relief of the local conditions as well as the failure of local treatment in some cases. In all such cases the authors feel that there is an unsatisfied libido which causes an increased sexual initability resulting in masturbation thus in turn producing congestion of the parts and the pathological pictures above described Erections and pollutions may result from a general psychopathic const tution without any local changes whatever S milar find nes in the post por urethra ha e been described as the cause of sexual uspotence That this con d tion results from th haustion of a previously overexcited crection cent r as suggested by Finger is not accepted by the uthors

By first 'abjecting all patients to general measures and not proceed g t once to the local treat ment the uthors were c bled to du det her cause into two classes. The first consisted of real sexual neurasts mea who complained of indefinite symptoms burning the t sticker feeling of heat and pressure in the urethra team g the inquinal canal it. In 'to per cent of these subjects the positione or that was pathologically alt red as in gonorrhora in this em the sexual symptom we mercely a part of an out poken general neurasts has General measures o local applic tions which did of in any

way after the pathological picture often caused a cure The benefits of cauternation, etc were but temporary The second class comprated those who complained definitely of frequency urgency and pain during urmation. In 60 per cent of these cases there were pathological changes in the posterior of the symptoms for their removal was in the great majority of instances followed by a permanent cure.

The authors conclude that though modern en doscopy has thrown much light on many difficult problems it has led us to overestmate the importance of the local lesson especially in cases of sexual neurasthenica

Noré-Josserand G Late Results of Urethroplasty by Tunneling and Skin Grafting in Severe Jerma of Hypospadias and Epispadias (Resultats Gognés de l'articoplastic par la tun disastion et la grefie derme (palermagne dans les termes g es de l'aypospadias et de l'épopadias) J d'arrèl 194 393 By Journal de Chrurge

The author studied the permanent results of his method analyzing 21 cases that were treated more than two years ago Seven were penal hypospadias 6 penoscrotal a scrotal 3 permeal and 3 epispadias Some were operated on as long as 12 years ago the average ber g 6 to 7 years The canal in almost all cases was successfully reconstructed by the slin graft though the caliber was reduced - to to 12 by Charmère a sound - and it often had to be en larged by internal urethrotomy. The urethra is elastic enough not to interfere with crection or urmary function and fistulæ are except onal ince the author has used his new technique. He has observed the new urethra enlarge spontaneously in three cases -an important fact as it shows that an artificial urethra formed by skin grafting may take part in the general growth of the patient

In three cases the caliber of the urethra examined to 7 years afterward had rumained stationary without causing any fix ctional trouble. In two of these cases the n w cand had passed successfully through an attack of gonorrhora. In two cases there was a temporary structure who hyelded after a f w datasations in 4 cases the structure was per manent. The d lopment of the structure was alsow but dilatation and internal urethrotomy only produced temporary improvement. I Tax may

Stark S Technique Employed in F cision of a Ca cinomat us Lrethra 1 t G acc & Oh 9 4 m 63 lly Surg Gypec & Of at

Start d scribes the technique employed in the excusion of carto ome of the urchar. The tumor modored the whol urcthra: I cluding the internal nutrition of the control of t

durated area in a posterior direction beyond the

Two vagnal flaps were then deflected by dissection laterally toward the ischiot ubic tami exposing the triangular bgament underneath. Curved harrostata were then placed from the retropulue anace downward on the triangular ligament close to the ischlopuble rams just bef re it was cut through, first on one side and then on the other until the whole tum r mass was disconn cted. The object of this was to anticipate hamorrhage from the br nches of the internal public vessels coursing through the triangular ligament which proved very satisfactors The liberate i tumor mass was then incesed along its ant nor surface into the unthral canal ni bladder which facil tated its final removal und r ocular uncrea on. The vesels included in the hamostats were bigated by transfision and the bladder ornice sutur d to the v gunal wall in uch a manner as to kave an opening only large enough to admit the introduction of a to to soft rubber catheter which was fixed in sit f r permanent dramage by means of a suture to the sagna In terior to the cocaraginal opening the viginal il ps were brought together in the med in line by hromic acid suture leas ng a pace un let the pubic arch for trainage of the rather large retropulor a my The inguinal gland of both ides were likewise ex cased Control of unne result d

C cen f ider L. A. Card toma of the Penta-Internal J v g 9 4 z 1, 63 By Surg Gynre & Obst.

The patient so y no of age complained of a growth on in d of the pense of ur months duration. The must in of the glane perts reve eld a growth , cm i d amerie with Neas hard and amouth being hadly on the under utface. The left inguinal shan's were left and pense shan's were left on the state of the state of the left inguinal shan's were left on the pense was amput ted boot in mitigant base. It had not too to the pense was always to be shaded on the left of t

The nuth r re ieving the varous report a to which r or not the re increased freque v for cusoms of the penus 1 proportion t which r the point assars examined to do not hades that or cumeration must be a great pew (c) in go it is a reason of the penus II of very period (c) in go it is reason of the penus II of very period (c) in go it is reason of the penus II of there y is ago prepared (b). If the penus II of t

Lionti G A Case | Doubl Peni (i in fall on

lts deut allait de et har a (arrageb 1 a sar-old ma hai on the left de fhi appure rils mai glans pe weed on litte that was somewhat hugher up and more antended the area of the area of the area of that are powed and a small cuttaneous onfice from which urne or sense had never been of a second penus, which was some hat sense of a second penus, which was some hat sended to second penus as removed by operation without difficulty its urethra ended in a bland powch at a depth of 10 cm Strepar.

GENITAL ORGANS

Hardoular Cancer of the Test! I Operated upon by Simple Castr tion; Recovery with e Recurrence after hight Years (Lacer d lesticule peré par au aino sample Cuérsca as lout le 8 ans) B l' I men See deal de Par 104 x 1 148 By Journal de Chur us

Har fount reports the h tory of a man of at who are operated upon shortly after the apper ran e of a tumor. Histological examination showed a typical seculionis very freeth a ner it was small in sue and the saminderous tabules were scare by harged forwar at lefter s that a thord of the patients with cancer of the testical operated on by simple easier too may be considered curve Hardoon tabula this higher a little too primistic but that it should be remembered at this time who a more careasive and dangerous surgical irratment for cancer of the strike is long proposed. In the patients the removal of the cancer at the strike the strike is the strike that the most important factor in cure is the removal of the cancer at an after states.

Hardonin and Pot I Two Cases of Turnor of the Testicle in Children (Deu obsert tons de lurer is d tristcule be I alant) Sull I sein Sec I at d Par 04 h, 150. B Journal d Charagre.

The first patient hat had a tumor of the right is title 1 or be was to months old V. Ight not had the legan to grow rapidly her me as large go smooth without nodularin or ad heatons. The gland was reme ed kasmi too ashow of that it was must ditumor formed of tubes and toy its with cylindrical epithelism and of fibrous it care tigginous to ware.

The area of pair at we pears old He had a turn of the right text of a large a san adult a fir a dherent not panoful 'um rous sub-rous neuts, seels we revalble The tumor as removed. It was whitsh and quite hard histological azam nati a sho of the it was probably semi nom? This ariety of tum is treme! The childhood G. Uses.

Wilson H W A Plet Graduat Lecture on New-Gruntles of the Taticl Cl J a 4 h too B, S rg C, no. & Obst

The aut | mphasiz a predominance n ectopia, in | th | ge a of this la t named condition be comin in grant (arci ms nd sarcoms one nate he testes in highly malignant pread in the lymph vessels to the retroperatoneal glands occasionally reaching the superclavicular group by way of the thoracic duct - and via the blood vessels to the hver and the lung Metastases may occur extensively even though the original tumor remains small Carcinomata frequently penetrate the tunic giving rise comparati ely early to funci form masses on the surface. Sarcomata show a tendency to be confined by the tunic. In both classes cystic degeneration is common giving rise to collections of fluid within the tumor mass or often to hydrocele Microscopically these tumors are very atypical occasionally the carcinoma may adhere to the columnar or spheroid type and the sarroms to the round or mixed cell type. These growths are not to be soft and nodular but occa

sconally smooth and hard
Embryone tumors so called because of their
origin from embryonic tissues in the mediastinum
are not uncommon. They have a tendency to
flatten out the testicular body and are of slow
growth requiring three to any years for their detelopment. They may assume a rapid malignancy
contrast to the encomatts which malignancy is
to be suspected if there are to be seen masses of
undested protoplasm similar to decidioms and g

num Endothehomata are very rare The embryonic tumors re to be found from puberty up to thurty years sarcoma between the ages of twenty and forty carcinoma between the ages of thi ty and sixty There is an early loss of testicular sensation and a sense of a dragging weight with but little pain until the skin is a ol d Palpation shows an nlarged te t s with flattened epididymia Hydrocele is often present. In abdominal cases of ectoms, the first manif st tion of the malignancy is frequently intestinal obst uction Life expectancy is only about eighteen months and only a small percentage of cases have remained free from recurrence after three years Exte sive operat on an attempt to eradicate the paths of lympathic invasion gives discouraging results Experience has shown that operative interference which does not e tend beyond the external ri g gives better results frees the patie t from his pain and annoying ulcerat on painless death issuing L L TE BROKCE soon from metastases

Corner C. M. Further Experiences in the Treat ment of Imperfectly Descended Testicles. B ii W J 9 4 By 5 rg. Gynec & Obst

The author states that when confronted with an imperfect descent of the restude the first facto to determine is whether the condition is temporary of permanent. If temporary on treatment is no sary If permanent as evidenced by the recognition of n a compa ying herma of the fact that the patient has eached the age of see na years civic treatment is ecessary.

The uthor recommends great gentleness in separating the ord from the hernial sa He also states that frequently such testicles atrophy even after they have been brought well down into the scrotum

The author states that testicles returned to the

abdomen do not become malignant also that testicles returned to the intra-abdominal position maintain their power of internal secretion but lose the power of external secretion

In the author's work for the past ten years hus

cases have been treated as follows Orchidopexy about 10 per cent

Orchidocelioplasty about 50 per cent Orchidoplasty about 40 per cent

The treatment suggested for the condition of imperfectly descended testicles can be summed up from the point of view of the age of the patient as the condition is a concentral one

At b rth and up to the age of five years the case should be watched to decide whether the testicle is merely late in its descent or not If a herma is seen to be present an operation should be performed concluded by orchdoplasty From 7 to 20 years of age an operation should

be performed whether a herma is present or not Lither orchidoplasty orchidectomy or orchidocelioplasty may be done

Above 20 years of age orchidectomy should be

Thompson R. An Operation for Undescended Testici Lance Lond 9 4 cl xxvi 535 By Surg Gyner, & Obst.

The author enlarges the scrotum by inserting to ta enlarged and the tension of the deg of the hermal incusion. This slap is turned down into the scrotum and sturred into the scrotal wound. By this means the scrotum us enlarged and, as it were stiffened by a portion of itsues which contains no dartos muscle and therefore rema is uncontracted. The implicitly of the operation and its successful results in two cases caused the author to place to in record.

Clark J B The Surgical Treatment of Acute Genorrhesal Epididymuts by Epid dymotomy Ann S g Phila 94 kx 739 By Surg Gynec & Obst.

For those case of endodynatis which are accompanied by munsually per cer pain with considerable swelling and high temper cer pain with considerable swelling and high temper cere pain with considerable swelling and high temper cere painting and the period of the Hagardor recommends his modification of the Hagardor recommends his modification of the Hagardor recommends his modification of the period and an oblique in casion one and one half inches log as made down ward and forward or et the period ymal swelling. The incason is carried down to the tunica vagnalism varied and the period of the tunical control of the period of th

of the epididymis. If pus is present it is easily drained off. In all cases relief of tension and drainage was established.

The advantage of this operation is the lack of livered or the parts brussed by handling. In cases where the body of the epiddyms or globus major are involved a firer incuson or turning out of the testick will be found to be best. A wich, made of rubber dam series as dramage. The author recommends one of two deep sutteres of catgit, and two or three all, worm gut sutures for the slan. The damage mends one of the deep sutter so the found to the best of the found to the part of the found to the sutter so the sutter so the found to the sutter so the sutte

Steiner P The Surgical Treatment of Atrophy of the Prostate (D chrurgsch Behandl og de Prostataatrophie) Zitchr f U ol 914 148 By Zentralbl I d. ges Chir u 1 Grenzesh

The author had five cases in which the functional disturbances characteristic of hypertrophy of the presente we represent but in which the prostate was much used in many sets of gass. Its cause of industries of the perspectation to the cause of industries of the perspectation tunine. He cause to industries of the perspectation tunine. He cause the constraint of the perspectation tunine. He cause the constraint of the perspectation of the perspect

Keyes, Jr E. L. The Mechanism of Prostatic Retention. Am J M Sc q 4 crl 1 673 By Surg Gynec & Obst.

The author distinguishes two clinical types of prostatic retention chronic incomplete or complete retention and acute complete retention. Retention represents the interaction of two forces the bladde muscle and the obstruction.

In considering the action of the bladder muscle the author considers the condition of the nervous mechanism as well as the condition of the nervous mechanism as well as the condition of the will He bladder muscl s the man agency in the rapidity or alsowness with which a patient passes from the condition of the state
ment He cates cases proving this. He coincides with the opinion of Alexander in ascribing the retention of urine in typhoid and other wasting dacases to actual muscular weakness combined with weakness of the will and cites cases.

Under obstruction the author considers the en larged prostate and the bladder neck. He believes with Sir H Thompson that not more than hill of the men whose prostates are enlarged suffer from retention and in t retention occurs without hyper trophy. He believes that the size of the prostate

has nothing to do with the amount of residual time. The ride of protatist hypertrophy in retirement be believes to be as follows: Hypertrophy in not of itself sufficient cause for retention. In order to cause retention hypertrophy must interfer with the outflow of unne and may be due to deformity of the bladder neck or to actual compression of the urethra is not usually an important factor as the urethra is not usually an important factor as the urethra is usually affected and a statkert is not obstructed in the progestic

urethra from the membranous portion to the neck. The compression of even greatly enlarged lateral prostatic lobes probably has little or no effect on the outflow of urine The author believes that the obstacle is much the same whatever the cause whether it be middle lobe lateral lobe or general hyper trophy or contracted bladder neck. This obstacle is the muscular ring at the bladder neck, which normally is an elevated ridge most prominent on the floor of the urethra because the roof is more fixed by means of the puboprostatic ligaments. In pathological conditions this bar of bladder neck uses up on the floor of the wrethra as an abnormal obstruction. This is the mechanical cause of pros tatic retention. In explanation the author assumes that as the bladder empties itself the trigone is somewhat elecated forming the flare of the fun nel, which in the normal bladder begins in the prostatic portion and the remainder of the bladder tatic portion and the remaineer of the basical closes down upon this funnel the lowest and highest points in the bladder cavity lying posterior to the trigione and being mpt ed last. In retention the finnel is an inadequate one. The bladder neck fauls to open as it should and the result of the effort to squeeze out the last drops of urine is to close the bladder peck. The losure should be inter preted not as a sphinctene grapping but as the dri ing of the prominent lower lip of the bladder neck against the upper wall of the prostatic urethra in th form of a val e The harder the patient strains, the tighter the vals closes

Chronic ret ninon is due fundamentally to a in balty of the bladder pilmeter to open until the bladder is partially full. Acute complete retention is due to a congestion or spans at the bladder neck of such intensity as to apply the posterior by of the sphincter against the antieror even when the bladder is full. Various combinations of obstruction, congestion, and sparsin produce the many variancia in the chinical phenomen of prostatic retention and the gradual progress of the increase in the amount of retention of urne as the time goes by is largely due to a gradual decrease in the strength of the bladder muscle. Prostatectomy should be only a means to an end that end being remo al of the obstacle at the bladder neck although all other obstructions should also be removed. Technically the permeal route is at a disadvantage and the suprapubor as mechanically superior.

H J POLEEN

Thomas J L. Note on a New Combined M thod of Prostatectomy Lanc ! Lond 1914 1 1456 By Surg Gy ec & Ob t

The author follows a rather singular technique in carrying out his suprappile prostatectomy be soon as the bladder is opened and empired of unne he pours about an ounce of pure timeture of soline into the bladder before proceeding to ensiciate the prostate. He then injects timeture of isoline through the meatus along the ureliar is to the prostate bed. The operation is concluded by penneal dramage.

HERMAY L. KRETSCHETS

Legueu and Morel: Value of Cosinophilia in the Diagnosis of Surgical Diseases of the Prostate (Valeur de 160s phile dans le diagn tic d affections churupcales d la prostate) Arck wol

d la cl de Vecker 9 4, 1 295
By Journal de Chirurgi
In 19 3 Morel and Chabanier found cosmophilia

in cases of adenoma of the prostate Legueu and Morel ha e pursued this research further in order to find whether the examination of the blood could be utilized clinically in prostatic cases. They report the results of blood examination in 85 patients with different diseases of the prostate

t In 40 cases of adenoma of the prostate even when there were no septic complications there was a leucocytosis that amounted on an average to 12,000 per ccm The polynucl ar cosmophiles e pecially were increased in 36 cases out of 40 that is 90 per cent they were increased to 5 per cent from the normal 2 per cent Th eosinophilia disappeared when the adenomata we removed The cosino local reaction of the prostatic philia is due to \ erha found eosmophiles scattered through the subu ethral zone in sections of prostatic ad nom ta. This cosmophilia depends on the mere presence of the adenom and is not in proportion to ils size

The blood in cancer of the prostate showed an increase in polynuclear to 87 per cent and a decrease in the cosmophiles to o 4 per cent. Thus the blood petture in ancer of the prostate with hypo-cosmophila is sharply distinguished from that of adenoma which shows hypo-cosmophila Examination of the blood may serve to make the differential disponses between adenoma and cancer of the prostate in difficult cases. Comparing the climacal and demantalogical diagnosa and the later microscopical findings their results were as follows of the 40 and 60 a

ically In 35 cases the blood diagnosis confirmed the chuncal diagnosis of adenoma; 4 times it was doubt ful and it showed adenoma in the case which had been diagnosed chincally as cancer. Of the 37 cancer cases reported the chinical diagnosis had been cancer in 18 and adenoma in 13 Blood examination confirmed the 18 chinical cases in 10 cases it corrected the chinical diagnosis of adenoma in three cases both chinical and blood diagnoses were wrong. The authors conclude that blood examina of the protate and of the chinical diagnosis of examina could be a supported by the control of the chinical diagnosis of examina could be a supported by the control of the chinical diagnosis of cancer. Marrier Cartasas in the chinical diagnosis of exame.

MISCELLANEOUS

Essendrath, D N The Value of Rad ography in the Surgery of the Urinary Tract J V & St M Soc o14 xm 28 By Surg Gynec & Obst

Eisendrath calls attention to the great addition in diagnostic technique offered by the X ray the shad owgraph the urcteral catheter and collargol injection of the ureter and renal pelvis. He emphasizes the necessity of careful preparation of the nationt before the radiography so as to climinate as much as possible any extraneous shadow due to accumula tions within the digestive tract and explains in detail the variations in technique in pyelography and the use of the shadowgraph catheter. The article which is illustrated with helpful schematic drawings of the regions examined accentuates the necessity for careful differential diagnosis between lessons within and of the urmary tract and those without which are likely to cause confusion by rea son of the similarity in shadows as shown on the rontgen plate Proved extrarenal shadows are from--

- z Calcified areas due to tuberculosis of the Lid nev
- 2 Areas of chronic induration of the Lidney
- 3 Atheromatous patches on the renal artery
- 4 Calcified retroperatoneal glands
- 5 Areas of ossification in the imps of the transverse processes of the lumbar vertebræ in the last costal cartilages, or of the last two ribs 6 Gall stones pancreatic calculu or calcified
- areas in cancer of the head of the pancreas or entero liths in the appendix 7 Calcufic tion of ulcerations in the walls of the
- Calcule tion of ulcerations in the walls of the ureter
 Extra ureteral shadows are due usually to one of
- the following
 Calcified retroperatoneal or mesenteric glands.
- 2 Enterobiths in the intestine or the appendix 3 Areas of calcification in acrosciatic liga ments, myomata of the uterus in dermoid cysis in the o area in the prostati or in the vas deferens 4 Phileboliths in the pelvic eins or areas of cal
- cificatio in the iliac ess l
 5 Calcification in the wall of the urete

J S. CHEMSTARDT

SURGERY OF THE EYE AND EAR

EYE

Ellett E. C.: Some Remarks on Glaucoma J Tens St M Art 1914 , 461 By Surg Cynec & Obst

Ellett finds the tonometer an instrument of precision for estimating the intra order tension 25 to 4,5 mm is placed as equivalent to 4+ 45 to 6,5 to 4+ 2 and above this to 4+. I indectony leaves little to be desired in sortie glaucoma while as example in some faision of a price of the select best cause in some faision of a price of the select best controlled to the controlled of the cont

W Iton C. B: Glaucoma as a Contributing Et ological Factor in Inaanity with Report of a Case Ophth Rev. 1014 2mm, 7 By Surg Gynec & Obst.

To relieve the intense pain in the eyes, the family physician administered opiates for several months or until the patient became blind. The patient's history was good and no history of insamity in the family could be obtained. The patient aged 69, had never previously had any disease of the size.

The tension taken with the Schotz tonometer measured in the right eye 70 mm. Hg that of the left 75 mm. Hg. An Elbott operation alforded the patient relief from the pain. Gestavis I Hogez

Fox, L. W Modern Operations for Glaucoma with Especial Reference to the Elliot Operation of Corneoscieral Trephining Mi Surgeon 9 4, 222 30 By Srg G) ec & Obst

For a few bredy to the most important of the modern methods of pocuring a permanent filtering custure for the robel of glasscome. Ellous preparatory handling, steps of operative procedure and toulet of the wound are contrastly described. No operation for chronic glasscome has pive the uthor that the contrast of the conjunctival flags however as modified in several instances, wherein the No-Lant slid og flags was employed instead of the tralangula. Bay recommended by Ellou The Von Il ppel trephine with stop is preferred to other in counts the T is electromy of Van Lini is briefly described but it is ofto recent introductio.

HacGillivray A Subconjuncth 1 Cataract Extraction Ed b M J 914 zu, 4
B) Surg Gypec & Obst

The author has dopted a method f extraction some f to that described by se eral writers in the

past and finds it of value in cases in which prolipse of the vireous is skely to occur those in which post-operative quiet is impossible and those in which conditions of asepsis are not ideal. The usual corneal section is made but the blade is timed past before cut it gout so is to form a conjunctival bridge at least ten mm long. The lens is delivered inder this either with or without indectomy.

Whiting M 11. The Estraction of Drabene Catamer Precitioner Lond 914, xell, 573 By Surg Gyner & Obst

Whiting says that it is not widely appreciated the same dangers exist in the performance of those recognized in general tongers with general anesthetics. A diabetic case may be progressing flow relatively and the disturbing mental effect of an ordinary catarict extraction may precipate coma and a fatal termination. The best operation is simple extraction Before operating the following points must be kept in view (1) Oil; cosum must be reduced to a minimum (2) Accione and discrized may be a baselit from the urine. These two conditions are not always compatible whose such the case the second should that he prop place.

Jenkins, G. J.; Case of Hæmatoma Auris Operative Treatment. Proc. Boy Sec. Med. 9.4. 2. Old Sect. 55 By Surg. Gynec & Obst.

An excusion was made and the blood removed two and one half hours after the injury. The blood which was mostly finid but with some clots in the lower part, was on the e ternal surface only and extended somewhat into the meatur. The present condition seems to justify the procedure.

L B CONFER

Bennett F V and McKernie, D Acut Pu ulent Offitis Media with Sign of Acut Labyrunthilis Recovery without Labyrunth Operation Proc Roy See Ved 914, u Old Set 20 By Sing Gyoc & Obs.

In this case a cortical instead operation is performed on a woman 9 jess? I age 8 weeks after the onact of an influential othis medi but for evering on di afness continued. Via second operation, three weeks late: the middle loss was operated but there was no intermediately operated by the was no intermediately operated by the same of the companion of the compan

Brown E, V L.: An Anatomic Study of a Case of Temporal Conus (Coloborna) in an Hyperopic Eye Arch Ophth 1914 xim 254 By Surg Gynet. & Obst.

The essentials of the enture finding consist of a crescence defect in the pigment equitablum and all the layers of the chornoidea along the temporal border of the disc in an eye of the hypermetropic type—13 mm axial length. The chornoidea stops a considerable dustance temporal to the dusc. All most the enture defect is bridged over and filled out by a fold or duplication of the retina. Thus is a direct continuation of the two nuclear layers of the retina. The contract of the retinal retinal the contract of the retinal retinal that the contract of the retinal retinal that the contract of the retinal retinal retinal to the contract of the retinal retinal retinal to the contract of the contract o

In my opic cours the length of the eyeball is measured and the chanodes for an away from the margin of the disc. The condition is therefore deoperated and not congenital as must be assumed in the case from the short and. In the non myopic type the comis, or coloboms as due to an overgoust of the secondary optic veside at its junction with the optic nerve at a time when the mesoderm of the sclera and chonoides has not yet been laid down. The returns fold then effects of yet blocks the development of the chonoides had also clera at the nerve and the comes results.

In the only other case reported that by Elschung, the temporal conus (coloboma) was deeper and involved the optic nerve sheaths

Lake R. Patient after Operation for Aural Vertigo Proc Roy Soc M d q 4 Otol Soct 5 By S rg Gynec & Obst

The symptoms were of 7 years standing in a man 61 years old. Mo ement appeared in the vertical plane and any attempt to mo e caused marked derivation to the right. The left ear was totally deaf. A complete estibulotomy was done with

relief from symptoms

E B FOREE

T bbles, S. G Two Cases of Ocular D sease Associated with Pyorrheea Al colaris Bril 11 1

1 4 755

B Sung C ne. 8 Obs.

The author reports a case of failing visio of two month progress o an adult Correction of a purulent dute se ro and the teeth resulted in the cleaning of the atreous apactices at first present and the return of visio with marked improvement

n general health
In the second case an indocycl t s cleared rapidly
after aural treatment

L B FOWLER

Holden W.A. A Fifth Case of Acute Dissemin ted Vijelitis with Retrobulbar Inflammation of the Optic Nerves. 1 A Optic 9 4 xiu 3 By Sug. Gyaca. & Obst.

F There w s complete blandness of one eye and al most complete blandness of the other with subsequent restoration of useful vision in each. There was a lateral hemianopia in the field of one eye only The history of the case is given in detail. Waster mann blood reaction was negative. Sity china was administered. Gersavit 5 I Hoot 2.

Milligan W: Gerebellar Abscess; Operation Recovery P oc Roy Soc Med 1914 ii Old Sed 22 By Surg Gyner. 8. Obst.

The abscess complicated a chromic running ear was diagnosed opened and drained and the patient recovered. In the discussion JENAIAS brought out the fact that in some cases there was a more definite localization of the pain immediately after the lumbar puncture.

E B Forles

Parker W. R. Report of a Case of Dermoid Cyst of the Orbit Producing Marked Exophthalmos, Rel eved by the Kronlein Operation J. Mich. St. M. Soc. 9 4 km 335 By Surg. Gynec. & Obst.

Parker reports the case of a waman aged go who had been it oubled with undisteral progressive exophthalmos for six years. A six was removed from the orbit after a knowledn resection of the outer wall. The cyst contained degenerated epithelium old blood dead hairs and much cholestern. It is tare to find this form of congenital tumor within the orbit.

Reinhold C II Scierocomeal Trephining for Staphyloma India II Ga 19 4 xlix, 81 By Surg Gynec & Obst.

Reinhold is satisfied that a reduction of antenor staph Johns can be effected by selectorneal trephine it is remarkable that from 17 unselected cases operated upon a restoration of "quite normal curvature resulted in 5 and nearly normal in 6 cases. The degree of siaphyloma varied from medium to very large with a duration of from 7 months to 10 years. In improvement of vision was recorded in 5 cases. The best results are to be anticipated where clear cornea is present in the pupillary area in recent cases in which the scar issue 1 still yielding, and in council cornea. The author recommends that the trephine be done all most wholly corneally and with indectory.

FRANCIS LANE

Wilder W. H. and McCullough C. P. Sporotrichoai of th. Ey. J. in. 1/1 9.4 lz 56 By Surg Greet & Obst.

The authors repo t a case of connectival promitions in a student who had been working in the laborat ry with cultures f a mous stra. of sport of the straining mission of the organism were broken at a dataset of 8 or o methe from the face One excusing he noticed a sormess of both cys, togeth results in the straining the noticed a sormess of both cys, togeth results and the sum of the straining the properties of the straining the noticed as sormess of both cys, togeth results in the straining the noticed as ormess of both cys, togeth results and the sum of the straining that the

creased The consunctiva of the eyelids of both eyes was reddened and so swollen that the forms rol out in a mass when the lower his were everted. In addition there were present on the palpebral con junctiva and also on the formers several grayish yellow slightly elevated spots varying in size from 0 5 to 3 mm in diameter from some of which the covering epithelium had been cast off so that they seemed like small ulcurs \umerous folliel s appeared in other portions of the conjunctiva

Seven days from the onset the general condition was worse the patient had headache and malasse the temperature was you the leukocyte count was The following day the t mourature was ror" During the night a sudden pain occurred in the left Luce on the internal side of the upper end of the tibis in the morning the limb was very sore and painful on pressure or motion I wo days later there was pain in the left elbow wrist and the lower end of the right femur which was very sharp especially

on pressure and motion The following day the pains were still persistent. The temperature was zor in the afternoon the conjunctiva was much improved the ulcers bad bealed

In two months the his were normal Cultures showed the colonies were typical of sporothriz each being distinct with a center rising in ridge formation like the peak of a mountain Microscopically there was an abundance of long filaments and round or oval spores the latter were not only in the filaments but also free The organ same were stained with the ordinary dyes and retained Gram stain At the end of a week Gram positive oval bodies were seen in smears of pas from the eye these resembled sporothrix but were found only singly or in pairs no definite clumps being observed. Seven

teen cases of sporothrux of the eye are reviewed Some of the charcal features of this infection are common to other conditions Lymphadenopathy would be present with chancre of the conjunctiva, but in the initial lesion of syphilis it is very unusual to have such mult ple crosions or ulcerations and scrapings from such an ulcer would probably show

the characteristic spirochata Tuberculous of the conjunctiva would probably not be so rapid in its course but it would be a week or more before the caseous tuberculous nodule would break down and form the ulcer whereas in sporo

tuchosis the hiti nicers develop in a few days Parinaud's conjunct vitis presents more points of similarity and it is possible as mentioned by Morax

that case of sporotnehosis may have been mistaken for Paranaud co junctiv us

In the latte the v getations on the conjunct va are differ at from the f lincles and th 5 flowish nodules of sporotrichous. The ad n pathy in Parinaud co j n ti it spoints to a se creini ci on but all attempt to isolat restusm from the lessons ha e faled Recently how er \ hoeff has observed a such nditio n orga ism like leptothrix On the oth hand the diagrous of sporotrichous is asy fs rat res fr m the ulcers or

nodules are moculated on appropriate mediums and left at from 18 to 20 C for the organisms anpear in from three to ten days.

Grout G II A Case f Permanent impairment of Vision following Gastro-Intestinal Harm-orthage inch Opinis in Its Surg Gynec. & Ohst. If Surg Gynec. & Ohst.

The author reviews the literature on the impair ment of vision following excessive loss of blood He believes in the Holden theory i e that the retinal lachemia produces a degeneration of the ganglion cells. The man 66 years of age gave a negative history save for the hamorrhage which lasted three days GLSTA IS I HOCKE.

G43

Cunningham F M: Chronic S pouration of the Middle Ear J M to Gs 914 1 By Surg Grace & Obst.

It is the author a opinion that chronic suppuration of the middle ear is a more frequent condition than many think from clinical beer ation and that not a single case in which necrosed bone has been determined has ever been cured by irrigation

It is strictly a surgical disea e to be treated by thorough removal of every particle of diseased tusie regardless of the area it occupies in order to avoid the development of intracramal complications as statistics show that one case in eighty eight has

some intracramal complication The author gives the history of twel e cases illu trating his theory that chronic suppuration is a urgical disease curabl if so treated before intraurgical disease tunno cranial complications develop Exten J Partiesson

Milligan W Malignant Disease of External Ear, with Exten i e Investon of Temporal Bone, Operation Recovery Proc R ; Soc Med 1914 Old Sect 2 By Surg Gynec & Obst.

An operation was performed on a woman filty i ur years old in whom most of the right unch was ulcerated away and the glands at the angle of the jaw and in front of the st momast d had becom in ol ed After ligation of th external carotid the ulcerated area, the underly: g bone and the glands were removed. Scarlet red in live oil and the Finsen I ght were used in the after treatment and for a penod of a x months there has been no evid nce of recurrence

Mckenzie, D Mastold tis without Perforation of the Tympanic Membran Proc R y Set If d. to 4 Old Ser 9 By burg Gace & Old

Follo ng the removal of the tonsils and ade oids in a child of six years there was slight pain when the ear was touched but no gentane cars he th membrane was normal; ppe rance dat no time was there any discharge from the meatus. On the third day the mastered region became a ollen and the bone was opened at once The mastord cells were occupied by pus and granulations Recovery was

uneventful
STUART LOW brought out the fact in the discussion that these cases were usually influenzal and that they usually followed an affection of the throat E B FOWLER

Canestee C. Parotid Fistulæ Following Masteld Operations. A Old Rh of & La ; fel 9 4 xm, 148 By Surg Cynec & Obst

The author reports a case of privated fistula from the lower end of a mastond incision the fistula appearing immediately after the operation which had been performed two years previous. The usual treatment of gal anocauterizations and injections of inciture of oodine proving unsuccessful Beck. s paste was used and two injections permanently closed the fistula.

In reviewing the hterature the author was able to find only a single case of fistula of the parotid following immediately upon the operative intervention. There were four other cases in which the

fistule appeared much later
Concerning the cause of these early fistule the
author believes that they are due to an operative
wound of the saluery gland due to one of two con
ditions (1) In anomalous conformation of the
partout that permitted part of the same to cover a
considerable part of the external surface of the
mation (2) an ahormola-fermitted part of the
mation (3) an ahormola-fermitted part of
past acute or chrome inflammatory processes that
took a latent course in which case the fixtule would
have followed a lev on of the priorid due not to the
mission but to the ma inpulsions in detaching the
periosteum made more d fixtule by the new forms
ton of very strong adhesions Orro M Rom

Beck O Fustula Symptom in Non Suppurati

Diseases of the Ear A Old Rh not of La ya
gol 9 4 xm 53 B Surg Gynec & Ob t

The author reports two cases! which movements of the eychall were obt nable by compression or asprashon of air in the external auditory canal in aboth of which the drum membranes were normal One case was that of a little gril with heredization lies and this case showed with compression a low movement of both bulbs the other case a man with rotatory and h rizontal components. In neither these areas was an any hatory of supprastion obtain able and the condit in of the ear-drums spoke against buth possibility.

against the possibility how it is possible in the As to the que into I how it is possible in the absence of upp in a contract and interest and unpossible in the contract and interest and interest and the possibility of the cutternal and tory canal, three explanations are if red (1) in the untensity of the air-pressure increase (2) in the fa orable or unflayorable current races through which thus uncrease

of pressure can be transplanted into the labyrinth (3) in the irritability of the labyrinth itself

The first explanation is disregarded by the author because all cases were submitted to the same degree of pressure The third explanation is likewise disregarded from Mexander's own experiments The second explanation seems the most plausible As to the question of where upon the lateral wall of the laby much the air compression or aspi ation produces its effect the author is of the opinion that an abnormal mobility of the stapes is, in all these cases of normal middle ear the chief explanation of the phenomena, both of the slow movements of the eyes and the typical fistula nystagmus since the anatomic cond tions on the inner wall of the ear seem to speak against the possibility that any other place can be regarded as the point of attack for the irrita LIOP

Both of the cases cited showed more pronounced subjective and objective symptoms by compression than by aspiration Orro M Rorr

Stein O J Syphilis of th Ear A Oloi Rk of or La ; gol 9 4 xxml, 6
By Surg Gynec & Obst.

The subject is divided for convenience of discussion into lesions as they affect respectively the external car middle ear inner ear and intracranial regions

In the external ear the chancre or ulcus durum is hard and infiltrated usually single and umblicated spirochatta pallida may be found on the slide and the neighboring lymph glands are eplarged and sensi tive. The usual location is about the external meatus. Lines of the drum occur as a papule or manute rumma.

The secondutes are in the form of condylomata at the posterior auricular attachment but when found about the entrance of the meatus they resemble granulations or polypi. The maculo-papular eruption has been observed in the canal and on the drum

The tertiaries are manifested by periostitis of the bony canal and by gumma

In the middle ear lure is considered a common cause of disease but there is no description that will characterize a middle ear styphile clinically An endateritie of the mucous membrane and a constitute most of the pathenance from gumma constitute most of the pathenance from gumma constitute most of the pathenance from gumma constitute most of the pathenance are the pathenance at the faunal end as secondaries it appears as an expiremen or as peculiar plaques

In the mar ear the symptoms are lite those of any other nerve deafners with or without the vestitular symptoms. The deafness comes on quite auddenly in fact often over might or after the property of the symptoms of the property of the symptoms of the property of the ology content of the symptoms of the property plasts of connect it staus unbetance expenses of the personal property of the property of mathic 5 following a severe hyperamus and over mathic 5 following a severe hyperamus and over us Lew bone formation chronic endarterous and hamorrhage into the fibers of the cochlear nerve leading to atrophy particularly in the lassl cod and the cells of the st nal ganglion. Gumma may be found in the peratrous bone. Periode I thickening causing pressure in the internal and tory and may result in paralysis of loth the set of and applications. DETLES

In the intracrapial r gion the lesson may be in the cortex in the mid brain r the nu led in the crebel lar pontire angle and in the crebellum. The juthology is meni gits endartents and gumma. In the di gnosis the points to be co aid it i are a rapid ones t prof un ! k i ress or at least of se ere legree slight or absence of tinnitus associated protean in a f tations of cut itocerebellar hat acture pormal drum at 1 pen tubes as singely presumptive of intr r alal lucs. Orno V Rorr

Scott S.s An Uncommon Form of Valignant Disease of Ear Jec Ry Jec Md 1914 lly burg to re & Obst Del Sed

The pathological find ege in n the rate g growth resential a resent ult t with large num hers [Lerat mize ! atheb | cell pe to [la idular meta tases had occur d

Sh mba gh C E. 11 Semicircular Can 1 and th I un tion of Equilibrium 1 the Ri al

The author conception of the origin of the labs not! e t nus impulses through which the semi circular canala play the r part in reserve a the equilbrium of the body is that these impulses manate fr m the har-cells file en e aj i that they are the result I a constant stim I tion. Th normal at mulat on fule hair-cill of the er ter s brought about by th impaction of end himph cur rents against the upola ? ulting in an it t faction between the pul ad the hat of the h at t fla. This the author belt a is kept up ju the ! by nath by the p bat no soc at d with each be t I th heart beca we with ach I bath in there must be a

rise and fall of antralabyranthine pressure and with each increase and decrease funtralabrombine pressure there must result a si ght to and fro mot on of the endolymph which would be sufficient to keep up a constant stimulation of the hair-cells on loth at le of ach enuta.

In order to understand the clinical phenomena res litt g from umlateral d turbance of labymothine tonus—which are (1) in increase in tonus from the affected laby ranth produces mystagmus toward the anected taby noth produce nyriagmus toward the tame sade (2) a complete suppres on of tonus ta the affected laby noth results in a nyriagmus t ward the opposite sad and (3) an intracranial arritation produces systagmus again I ward the affected side—the following facts regard g the physiology of these canals roust be kept in mind

t The impulses from each canal stimulate only those muscles the mos ments of which he in the

plane of the canal I rution of endolymph in one direction in a canal stimulates only those hair cells on the side of the crista r cer rg the impact. In ord r to stimu-late the har-cells on the popule side of the crista, an e dob mph curre t in the opposite d rection is

Decreaty 3 An es loly my 's current in one direction in the canal stimulat s the muscles which produce movement ! and one sale an endaly m in curr or so the overage direction attinulates the muscles high pro-

duce motion in the opposit of rection 4 I En ter stimulation result from an endobanch current in o e direction in a semicircular

canal than in the proute
5 In all three I the senucircular canals the great er response a obtained from those in Jolymph cut rents which stimulate the muscles producing mystag n as towa d the same sid

From the above t is evident that impulses emarate from each cand prod in a pastingue an enterdirection the tronger always bring those buth
produce in tagmus t wand the same out. These
facts expans the symptomatol gy f no tagm a to
the side of that Liby mith which has become affected Orro V Rorr b inflammatory processes.

SURGERY OF THE NOSE, THROAT, AND MOUTH

NOSE

Alexander L. D. Adenocarcinoma of the Nose Chronologic Review and Case Report A. Otol Rh not & La.) got 1914 2xm 97 By Surg Grace & Obst

A study of the 22 cases in the literature shows that adenocarinoms which the author defines as an adenoma which has undergone carcinomations devel opnest sections of which show a permicious production of the familiar real showing areas of identification of the familiar real showing areas of increases the showing areas of increases the showing areas of penetration of the cancerous age though an early onset is possible as its redent from two of the cases in which the ages of the patients were 22 and 23 years respect ney. The inducence of sex is negative as is the said involved.

The predilection for the middle turbinal and ethmoid region as evidenced in 13 cases is significant in view of the imperfect surgery performed in

that region

Absence of pain even when extensive in ol cment of adjoint g structures has occurred is a noticeable fact. The absence of lymphatic in ol ement is more apparent than real

In the opinions of the authorit es quoted the outlook is most hopeless but the author belie es that better results will be accomplished by the routine examination of polypoid growths leading to the early recognition of those showing beginning mahigiant changes and the discovering of coeristing pedicicled malignant growths—Orro 31 Rorr

hahn H. A Short Study in the Ettology f Nasal llydrorrhopa with Case Reports Otol Rh nol & La y rol 9 4 84

By S rg Gymec & Obst

There are two types of masal hydrorrhom () The crerbrospunal type in which there is a definite anatomic loss of continuity in the skull and a hattin is formed through which the fluid pours into the masal cavity (2) the pure masal type which may vary from the parory small himits to the almost paniless non intrated variety with only an abnormal water ducksharge from the mucous himing of the moses where the mose of the property o

It is the latte type which the author discusses and which he beheves in disturbance of the sympathetic nery fibers in the nasal mucosa caused by some irritant o by nervous shock imular to a tortured animal grang rise to a change in the function of the fibers and causing vasodilatation and extra assition of watery fluid. Two cases are reported in uppo to of this wew

In the first the girl was tormented by he work and

the realization of her immense responsibility in the second case the rimorrinca followed in a short time after the death of a parent throwing on an erstwhile carefree girl the support and responsibility of a family Orro M Rott

Subotky I A Note on Nasal Synechine Am J Surg 9 4 xxvm 180 By Surg Gynec & Obst

The author considers synechia usually the result of operations or ulcerative processes in the nose to be treated only when they give use to symptoms as the permanent cure is one of most difficult problems

confronting rhinologists
After the removal of fibrous synechize by operation or electric current reforming of the band must be prevented by the use of some mechanical device like mics scales celluloid or hard rubber plates and the patient must be seen frequently until complete healing has occurred EXEMY I PATTERSON

Wylie, C. B Physiologic and Pathologic Relations of the Eye and Accessory Sinuses of th Nose Lary g is pr 9 4 xm 406

By Surg Gynec & Obst.
In the chrome non-suppurative form of sinusitis.

the ocular manifestations will be more obscure and uncertain than in the suppurative variety Opinions differ somewhat as to which sinuses are most frequently involved in producing these ob-

scure eye symptoms but the consensus of opinion is that the ethmoidal sphenoidal, and manillary snusses in the order named are most frequently involved. The orb t is from one half to two thirds surround

The orb t is from one half to two thirds surround ed by bony cartities which are in direct communication with the nose consequently pathological changes of these ca ities may profoundly affect the ocular structures

The immediate and pronounced favorable results obtained from surgical treatment of the accessory cavities should be proof of the relationship existing between the nose and the eyes

CILEN J PATTERSON

Lubman W Improved Method of Removing the Posterior T p of the Inferior Turbinate L ryst pr 9 4 M 394 B Surg Gynec & Obst

W the colored thread ted by means of a sailor's hant to the center of the var loop of the same author passes the saare along the floor of the massingly further than the t p of the inferor turbunate keeping the thread directed to the septal and. By pulling the thread with the left hand the we reloop will bend at right angles to the tip and encrete the bypertrophed mass ELEV J PATERSSOV

THROAT

Henke F New Experiments as to the Physiological Significance of the Totalis (New experimentalla Festivalingen über die physiologische Bedeuung der Tonallen) Arch f Le y gel z. Rh. of 914 xx iii 3:

By Zentralbi f d ges Chr u I Grenzgeb.

To study the relation between the lymphatic
raters of the pasal cavity and the tonais. Lenart

system of the pasal cavity and the tonsils, Lenart injected water and tissue fluids containing insoluble materials into the nasal mucous membrane of living animals and he could demonstrate the granules in the tonsils 24 hours after the injection. In order to get an exact answer to the question of the rela tion between the lymphatic system of the nose and the tonsils, Henke went over Lenart's experiments and came to the same conclusions Then he under took similar experiments on patients He injected very small quantities of sternized fluid containing soot into the nasal mucous membrane liter periods of from six hours to six days the tonsils were removed and as a rule black particles of soot could be demonstrated their distribution in the microscopical specimen showing that they must have reached the tonuls through the lymph vessels If the tonsils were removed a few days later the soot particles could no longer be found they had been brought to the surface of the tonsals by the lymph stream and excreted liter the my ction of the fluid con taining soot into the gurns the soot particles could also be found in the tonsils showing that there are lymphatics connecting the gums and tonsils. In order to prove beyond a doubt that the soot particles are transported by the ismphatics and not by the blood the same e periments were performed on the cadaver with th same results

These esperiments show that the function of the tonsuls a samilar to that of the ordinary lymph-glands. They serve to form new white blood cells and act as a filter for the lymph that flows through them there is one important difference in the function however. The organism sends foreign substances through the lymph-tessels to the free surface of the tonsal projecting into the pharyax in order to get rid of them in this way. This free surface is pready increased in actival by the crypta. The tonsi therefore under normal control order to the external exert tion 1, terfered with rebcomes a reservor for harmful; rims a d must be radically removed as a source of danger.

Assume that the control of the cont

H dson Viskuen G Surgery of Fancial Tonsil, as It Relates to the Functio s of the T sign and Soft Palate in the Frod chon of Voice.

Laryet cope 9 4 xx 50 Sec Sy Surg Gyner & Obst.

The author urges greater conservatism in tonsillar surgery basing his argum ais upon a thorough study of the mechanical functions of the tonsil in phonation articulation ad deglut to

The systemic functions of the tonsil may never be

known because of the difficulties which arise in making the necessary investigations but the functions of the found in phonation and articulation have been determined by a study of its anatomical relationship to the tongue soft palset and larvie.

The tonsillar surgery of childhood should be as conservative as possible because then if ever the tonsils are exercising their systemic functional activities and the tonsillar surgery of adult life should be conservative because of the mechanical functions of the tonsil in artiser; we calculation

ELLEN J PATTERSON

Beck J C.: Cancer of the Larynx with Special Reference to Radium Therapy A Ool Rhasel & La) got 914 xm1 &6. By Surg Gynec & Obst.

The author states that he has seen no permanent cure of lar-ngeal cancer by radium therapy but he draws the following conclusions from the four

cases which he has thus treated and now reports

1 \one of these cases of carcinoma of the laryax
ran the course th t similar cases do without radium
theraby

2 Distinct destructive changes, even microscopscally proved of the cancer were observed

arally proved of the cancer were observed
3 I ain was practically absent
4 The action of the radium differed in some of
the cases, as in two the growths disappeared at

least for a time while in two they did not in fact the cancer grew 5 The effect of the radium on the salivary appa-

5 The effect of the radium on the salivary apparatus was very distinct
6 General symptoms similar to the cacheria,

but still differ ig In some ways could be seen whenever the radium as used for any prolonged period. ? From the positive results obtained by the writer in some of the superficial cartisomats of the nose mouth and palate and from the good results of others who treat superficial cancers, it is the belief of the writer that much larger doses of radium element employed on the treatment of carcinoma of the laryax would possibly c re such condit ons especially if employed early. The author has been

Orro M Ross

John tou R. H Straight Direct Laryngoscopy
Bronchoscopy and Geophagoscopy Am J
Surg q 4 xx m 8 By Surg G; ec & Obet

employing to mg radium element

The writer case cases showing the value of direct methods with the head straphs and believes these methods are worth learning however expert the observer may be with the miror. This applies especially to children shere the use of the surror at it dode with great difficulty and lives in y be saved by the use of the direct largnoscope by making an early diagnoss of ordens or subplottes swelling and the early institution of treatment. This method is also of use in the diagnosis and treatment f chrome largnostic in adults, ordensations largelying, and perichondum though these

latter may also be successfully cared for by the in direct method

With the direct laryngoscope a differential diagnous of simple acute ordenatous subglottic and membranous larvnetus can be made Membrane in the last case is easily recognized and prompt administration of antitosin would probably do away with the necessity for intubation. In removing a tuberculous epiglottis it is much easier to see what is being done by the direct method and hamorrhage is much more easily controlled by direct pressure. This also applies to tuberculous of the test of the lary nx and there should be no hesitancy about removing through the tube as much of the diseased tissue as may be necessary The cauters may also be applied with ease through the tube. Singers nodules are best treated by removal through the direct lary ngoscope with the head straight and by using a small tube easily accomplished w thout injury to the cords and if skillfully done the voice rest cure is never Becessary

Laryngeal papillomata in children can almost al ways be diagnosed with case and ured by remo al and treatment with the high frequency spark through the tube The author uses a spal of about one fourth inch and the tumors mell away Many successful cases are cited. In the treatment of stenous of the laryny dir ct laryn goscopy occupies the first place \ exact d ag osis can be made and the cicatrized tissue cut through more safely than can be done by any other method The stenosis can be cut through directly and a Rocers tube inserted after the proper dilatation Se eral case of foreign bodies n th larynx and one case of pemphigus are reported H emphasizes the value of having the h ad in the stra ght position in direct laryngoscopy and believes it is an absolute ly safe method unde normal conditions E en with contra indications such as arte iosclerosis the use of a small tube and the st aight pos tion of the head make the method practically safe. It is almost as quickly used as the mirror when the ope ator becomes e pett. In almost every case in adults local anaesth s is used. Uypin or novo came are the anasthetics of hoice except in children where no anæsthetic at all employed

Grosc M COATES

MOUTH

Brown G V I The Surgical Treatment of Poet
Operator
I Sam J A 1 9 4
By S rg G; ec & Obt

Immed: I reoperatio when the sutures of a previous cleft palate operation fail to hold and when sloughing of the parts is actively destroying tissue at the line of apposition is not an all usable procedure. Such benefit as may he e been secur of in this way has probably not resilted from an impowed local resistance due to leucocytosis as reported but for the reason that separation of the

mucoperiosteal tissue was more efficiently ac complished at the second then at the first sitempt. Thus tension was more effectually overcome and the result consequently better

A period of from mine months to one year should again be done because it takes that long a time to reactablish circulation in these tissues sufficiently

to give them a dependable resistance In undertaking the surgical closure of palatal defects the question invariably arises, Shall tissue to cover the opening be secured by dissecting free a sufficient area from one side and turning it over so that the structures are reversed with an attached occicle on the inner border of that side and suturing the free edge to the freshened border upon the opposite side in accordance with the principles govern ing the Davies Colley and other similar operations in the performance of uranostaphylorrhaphy or shall mucoperiosteal flaps be raised and brought together by taking advantage of the arch of the palate supplemented by liberating incisions upon each side to aid in effecting coaptation along the central line after the methods of Von Langenbeck as modified at the present time

Every effort should be made to gain the desired results without listurbing the natural relation of the muconerio-teum to the bony portion of the palate whether the opening be large or small The parts should be Lent in such form that subsequent granulation of the wound surfaces will tend to fill in any opening that might at Il exist and if it does not fill in completely by granulation the result upon the surrounding structures will be fa orable rather than unfavorable to successful closure at a later opera tion should one be necessary. The loss of a flap so mused and reversed as to leave a corresponding surface of bone denuded might ren fer further sur gical operative measures practically useless because this portion of the palate would not be completely restored and any such bare surface would at best only be cor ed by a thin layer of tissue that would ot be dependable or serviceable for flap

purposes The contraction of scar tissue in these cases usually go es a shape more or less like a funnel to the hole in the palate with the slope more marked in a direction from above downward toward the outer surface If compi to pan g of the tissue at the inner border of the palate open ng is made entirely through from the palatal to the nasal surface much valuable tiss e will be lost unnecessarily If raw sur faces are secured by splitting the tissue without paring the borders there is too much of a tendency to resumption of the original form of the tissue borders during the healing process and this is not favorable to union alo g the line of coaptation. In these cases t asion should be overcome by freeing the mucoperiosteal flaps from the bone surfaces as for uranoplasty according to the modified Von Langen beck method Cicatricial tissue should be severed by a thin bladed knife at just the right angle to

pass between the soft tissue and the bone without injuring the former

The denudation of the tissue border surrounding the opening is best performed by following the slant of the opening sufficiently to give a broad raw sur-lace up to the point at which the constriction is most evident. Splitting from this point all around will then give an added thickness without undue loss of

tissue. The mequalities due to wrong coaptation particularly in the region of the soft palate must be over come When the borders are loosened from the bone surfaces and ready to promote couptation of the flaps in the central line without tension this must be done in such form as to give the nearest possible approximation to normal lines \ot infrequently when several unsuccessful operations have been previously performed all that can possibly be accomplished is readjustment of the parts which will make complete closure later on more easily secured When this is accomplished any defect which may still remain is readily closed but if it be overlooked the result may leave the palate in a worse condition instead of better When there is almost total absence of tissue on one side due to extensive sloughing or ill advised destruction at the previous operation with the tissue full upon the opposite side, it is sometimes necessary to bring about the transposition of good tissue from one side to the other so that at the final operation there may be at least a reasonable measure of tissue upon both sides from which to construct flans This may be done by making a complete closure of the opening and entrying the flap from the good side to the pooret one in such a way that tension will be so distributed as to cause the opening to occur midway between the two points In a number of instances the author has closed perfectly palate fissures that seemed to be utterly hopeless because there was practically no visible t asue left upon a sufficient portion of one side of the bony palate

Bioodgood J C.: Cancer of th T name Based upon th Study of Over On Hundred Cases. If styland M J 9 4 ins, 55 By Surg G 3 PC. & Obst.

It has been demonstrated by the author that failure to cute fully developed cancer of the tongue is due chiefly to the neglect of removal of the muscles of the floor f the mouth below the cancer and that the high mortality it r operations for cancer of the tongue a due the fly to the removal of the floor of the mouth w thout removing a section of the loner jaw. If operat on with the electric cautery is done within a few needs after the onset preserving the cente of the lesion for microscopic

preserving the center of the tesson for microscopic study it probabilities of cure are almost 100 pf cent. Previous operation have been too extensive both upon the totague and glands of the neck.

Cancer of the tongue infiltrates into the glands of the neck through the floor of the mouth, and lack of involvement of the glands does not preclude infiltra

tion of the floor of the mouth. It is impossible to close the opening in the mouth after removal of the tongue floor of the mouth and the glands, unless the 12w be resected If done without resection, the mortality is almost 80 per cent, - from pneumonis or late infection of an oral fistula

In November 1910, in a case of early lingual cancer the author for the first time removed the night half of the tongue the right floor of the mouth, the right half of the lower jaw and the glands of the right side of the neck in one piece. The wound was sed by suturing the mucous membrane of the right cheek to the remaining half of the tongue. The patient suallowed at once after the operation and no recurrence followed. As the removal or resection of the lower jaw is mutilating the author has at

tempted to produce the same results another way In a subsequent case the glands were first re-moved, their connection with the floor of the mouth below the lesson was thoroughly burned with a cautery and the wound was closed. Then the lesson in the tongue or floor of the mouth was attached with the cautery the application usually being repeated two or three times until everything was destroyed down to the area first cautenaed from below The healed skin-flap of the first operation forms the floor of the mouth and prevents an oral fistula.

The majority of cases seek surgical and at an unnecessarily late period. In early cases there is always something to be seen and felt in the tongue or floor of the mouth if attached at once, a local operation with the cautery should suffice in a little later stage removal of the glands and repeated cautensation of the mouth in still later stages resection of the jaw must be done. The author advises that this should be done in three st ges. First thorough removal of the glands with caul risation of the floor of the mouth from the neck wound second, cautenzation of the lesion within the mouth third removal of the jaw and cautenzed area

A study of cases up until 1908, a period of 18 years, compared a th those observed daring the past five years, shows the influence of education The very early pre cancerous lessons have nereased from eight to thirty per cent. The lat and inoper able cases have decreased from eighteen to ten per cent The cures have increased from twenty-one to

fifty per cent The author considering cases operated upon by humself - 4 n all - reports no post operative mortality and so far but one patient has died from

THE WITTERSEE.

In Bloodgood's opimos the techniq e has been conquered and f the patients can be educated to conquered and 1 the passeau bally be conquered come early the disease will probably be conquered

Murphy J B Carcinoma of Tongu ar Age of Thirty-One. Surg Ch J B M phy 9 3. 2 By Surg G) bec & Olat

Some 5 or 6 years pre your the patient had had soreness on the side of the tongue but physician told hus it was nothing serious. A year later there was a discoloration on the right sade. He organ remained a little sore tender and discolored until some months later when each was applied. A shough formed and the levon gradually increased. Later the properties of the properties

Upon examination the right sale of the to gue was found to be hard and woody as far as could be felt including the while base. A sinus was found be dung? as to a tooth and discharging is slightly. The twa as nealized in the under the reand ble A piece was remost and many slid will showed squamous-celled car inoma. The patient was advised to have radium treatment [and \ ray exposures. The case was then inoperable and practically hopeless

Murphy J B: Tuberculoms of the Tongue S g Cl n. J B Mu pky 913 u \ 5 By burg Gypec, & Olst,

The patient was a woman of 21 who had first noticed a mass on her tongue about 6 w els previ ous on admission it was the size of an almond near the midline and about 1 5 inches from the tip. The mass was hard and indurat d had never ulcerated or bled and had no enlarged nodes. She had no co tinu us pain but expenented decomfort in talking and cating and hard substances made the tumor extremely painful. The family history was negative for tuberculous and careinoma Wasser mann and tuberculus tests were negative Not withstanding the fact that the process was active the tula reulin to t was negative. The gross appear ance was that of sarcoma and a nuce removed pro cd to be tulcreul ma and injections of tuber cul n were ordered

ABSTRACTS OF SOCIETY PAPERS

ANNUAL CONGRESS LARYNGOLOGICAL ASSN

MEETING HELD AT MINNTIC CITY MAY 25-27 1014

Hopkins, F. E.: Report of a Case of Septic Infection of Parotid Glands. T. Am Lery sol A : At lant C ty 19 4, M ; Hy Surg (yeec. & Obst.

Each intralobular duct is a branch of a subdivision of the main duct so that if a septic infection results in closure of these ducts drainage is impossible and dissect on of the gland becomes necessary Many important vessels and nerves traverse the gland. Refore resorting to dissection Steno a duct should be probed Orro M Ross

Haistead T H Endonasal Operation in Tumor of th Hypophysis Report of a Case in a Female Nine Years of Age. T lin Ley tol Ass Atlant C Uy 19 4 May

By Surg Cyrnec & Obst. The operat on was performed in three stages r Preliminary operation March 13 1014 up right posits in with cocaine and adrenation. Removal of both middle turbinates and exenteration of right

ant nor and posterior ethinoid cells 2 Second operation local anasth sis, submucous resection of entire sentum anti-rior wall of both sphe oids and the sphenoidal septum removed

3 % eteen days later the third operation
long stills removed duta incised foll wing which

there was an immediate gush of more than one half an ounce of yellowish fluid

Corth of New York takes out the posterior part of the septum instead of doing submiscous He tak s out the rostrum and gets to th spheno is that way He does the peration Otto V Rott in two three st ges

Dela an D B The Employment of Skingraphy in the Diagnosia of Enlargement of the Thymus 7 Im Lary gol Aus Atlantic City By Surg Gynec & Obst 19 4 M

Because of the mportance of thymus enlarge ment when considering the perative risk the author speak of the importance of skiagraphy in its recognition

CULLEY of New York spoke of a case of make nant disease of the thymus simulating chinically a gotter which was diagnosed by the contgenograph fairly well

SHLELY of Detroit poke of the interrelat onship between the t asils and adenoids, and thy road and thymus, and because I this fact of the constant danger the operator is in whe operati g on tousils and adenoids

HUBBARD of Toledo poke of an enlarge by

mus producing asthma in children and of the permanent atrophy of the gland after seven treat ments with the X ray

SWAIN of New Haven spoke of a case of thymic asthma in which thymic reduction was obtained by the use of adrenatin continent three to four times

RANDALL of I buladelphia referred to a death in a patient 22 years old, twenty hours after a tonul operation Orro M Rorr

Ingersoll J M: Primary Sarconna of the Traches.

To Am Lary got Ass Atlantic City 19 4 May
By Surg Cynec & Olse.

In this case a managed 32 had a pursistent tro-blesome cough for several months and three very sev re prolonged nitacle of paraxysmal comming set re prolonged attacks of paroxysmal coughing, and in each attack the pater t finally coughed up and expectorated what he called a polyp Examination of the larynx showed it to be inflamed and on the left side of the traches just below the first ring there was a pedunculated tumor Opera tion was refused by the patient until later when the growth had tended and was nonerable

Driata of New York spoke of the hopelessness of the condition and orced his belief that the hope of the f ture rested on some chemical treatment

rather than on surgery

JACASON I Pittsburgh, spoke of the rarriy of primary malignancy in the traches and the hopelessness of the condition when it occurs on the pos terior wall because of the abundance of lymphatics in this region Orro M. Rott

Jackson C.: Limitations of Broachoscopy T Am Laryagel A Atlantic City 914 M)

B) Surg Cyner & Obst.

The author belie es that th limitations of bronchoscopy are reached in the inability to find a small foreign body far down and far out t the penphery of the lung rather than n a fail re to re-more it when found The luminations in a particular case could not be said to have been reached until bronchoscopy had failed at the hands of t least two bronchos courses of experience HURBARD of Toledo, ref red to the non-support

of the patient and his physici n as establishing a himtation.

Ingats, of Chicago thinks that the time for work ing on a nationt should not exceed a half hour Orm M Rott

Coakley C G The Surgical Treatment of Empy ema of the Nasal Accessory Sinuses in Children under Fourteen 1 cars of Age T Am Laryatol An Atlantic Cuy 1914 May

By S rg Gynec & Obst.

Cases requiring surgical treatment have either a swelling over the antrum or around the orbit The antral cases are almost always associated with an ostcomyelits of the superior maxilla and are

operated through the canne fossa with a counter opening in the nose

The orbital cases if mild are kept in bed with a cold compresses and frequent instillation of a 1 per

cold compresses and frequent instillation of a 1 per tent solution of occurse and a 1/20,000 solution of ordersolation of occurse and a 1/20,000 solution of adrenalin. The severer type requires operation without wanting for the development of a congram and is an ethmoid and sphenoid exactration through the external route. Y probe is passed into the frontal amus and the diseased membrane must be remove die set there be recurrence the wound should be left open. There is no consequent deformits.

Mosner of Boston poke of the development and sace of the accessory sauses in children and stated that from the third year there is an antrum large enough to permit of surgical treatment. The same is true of the ethmoid laby math from as years on ward and of the frontal from the eighth year I rom the third year a surger I sphenoid may be expected

Mining of New York spoke of another class of cases between the two types as mentioned by Coaldey and all were 1: the neighborhood of three to five years of age. They prese ted the following conditions. An opening or perfort tion directly under conditions and opening or perfort tion directly under ing discharge. A probe dropped at the opening over the ay gooms went into a c. 13 and turned toward the noise and was easy pushed into the nose

CASSIVERER of the go spoke of a chrometype of case occurring in children from mue to I urte n ye b, f age in which there were masal polypu in the middle met polypoid enl rgement of the middle turbinata a d plus n the a trum a d anterior chimodd c list and meinnes in the posterior ethicand cells. In the secase he remow the middle tu basste not the fine of the anterior thround cells.

Coff n L A The General Considerations of Emp; mn of the Nasal Accessory Sinuses in Children under Fourteen 1 surs f Age T Am Lary gol As Villant Civ 0 4 M y By Yung Cyner & Out

In ute oud t where as usts as suppected there is a op os duch rgs with many be washed out or if there is the result of the next is and more pus menus fou d see my be quite sure that comments foul as my be quite sure that the comment of the result of the there is no more than the sure of the result of the trunk of the result of the sure from the trunk of the trunk of the result of the sure of the result of the of aut g nous comes Wood G B The Pathology of Acute Smuslits of Children under Fourteen Years of Age Tr Ass Lar) gol Ass Atlantic City 0 4 May By Sur- Grace & Obst.

The nathology of acute supusitie is influenced by the seventy of the infection and by the resistance of the patient and upon these two factors depend the degree of inflammation. The characteristic changes found in the mucosa in the mild cases are Congestion and slight orderns of the connective tissue increase in the number of beater cells in the ep thelium and slight increase in the number of lymph cells in the superficial lavers of the connect ive tissue In the more severe cases the ordema is increased the congestion more severe and the extravasation of the red blood cells into the connect ive tissue stroma becomes so intense that the con dition resembles a subepithelial hemorrhage leucoest e infiltration is marked but still only in volves the subco thekal layers of the connective tissue In only the very severe cases does the whole connective-tissue layer become infiltrated so that the periosteum is attacked. Infiltration of the periosteum is very apt to be followed by hone changes In diphtheria sinus invol ement is very frequent though the majority belong to the mild catarrhal gro p In scarlet fever sinus its is less frequent but more severe so that bone involvement is gu te common Other infectious diseases show nothing peculiar or the acteristic Orro M Rott

Ingals, E P Nasopharyngeal Myzosarconna-Several Operations and Finally Spontaneous Recovery under Observation for Twenty seven Years T Am La prof Ats Atlanti Cty 914, M y By Surg Gnec & Ob L.

The uthor reported a case first seen in 1883, when the patter vast thritten years of age. At the time a growth filled the mapphasyn as and right nares. With difficulty the mapphasyn as and right nares. With difficulty the might seen as several sattings but it continued to grow the service of the second of the right cye. There or four years always as the second of the right cye. There or four years always are meanant of tumor left but the deformity and loss of ivon remained. The author refers to the well known it indexey exhibited by fiftous growthen this locality of retrogression and final disappear nece between the nuncteenth and twenty thard years of the putterts side. Own M. ROY.

Look II W The influence of the Nose on ky Affections, as k id need by a Case of Bilateral Bil adness and On of Undateral Scint liating Scotoma Cured by Opens as on the Limmo d Calls. T Am Lo y of A this is City 9 4 M)

By Surg Opens & Obst

The author reports two cases illustrating the title of his paper and stat s that these confirm his nestigations on the anatomy of this rep to the effect that u d r ordinary circumstan exhe optic nerve s in close relation with the ethmoid labyinith only t the post ro-external angle of the

last posterior cell Where the relation estiss there is only the sightest possibility of any danger to the optic never in supportation confined to the chimod cells. But when the last posterior enthmed cell replaces the sphenoul the optic nerie russ close to and along the external wall of this ethmod cell and the witnershulty of the never as correspondingly heightened in view of the greatly increased portion acposed.

Orro M Rorr

Shuriy B R The Relation of the Tonsal to Thyroid Disease. T Am Lary gal A Atlantic City 914 May By Surg Gyner. & Obst It is obvious that the plu release of the thermal

It is obvious that the physiology of the thyroid and other ductless glands is profoundly affected by tone disturbances in general and particularly those that enter by the hymphod ring. The author has noted beneficial results after a ionsilication on its profoundation of the profoun

SLUDER of St. Louis, spoke of the abrunkage of a gotter following treatment of the lingual tonsil by means of application of silver and salicylic acid in

alcohol in saturated solution

Woop of Philadelphia, reported the case of a nurse who had recurring tonsillists and exophthal mic gonier and hyperthyroidsm following tonsillists. The removal of her tonsils stopped the attacks and her gotter began to go down and the exophthalmos disappeared.

Shambalge of Chicago, spoke of this relation existing even when tonsils were apparently in shealthy condition but which after remosal showed a pus pocket at the base Orro M Rorr

Majer E. Primary Lupus of the Larynz. T Am Lery tol Ass. Atlantic City 9 4, May By Sorg G; ec. & Obst

The author reported a cases of primary lupus of the disease. This brings the total number of cases of primary lupus of the lary nix recorded in the literature to 35. Lupus of the larynx is a chronic disease with b t the alightest symptoms is fiten actidentally discovered could be represented by the adult of the property in the callet the represent to his callet for more cases.

and the progness to hiet relain ely good CLARE, of Beston reported a case of lapus of the layrax in a young woman who previously had devel oped lupus it he angle of he mosth on the check and on the left sade of the posterior wall of the phar you. On examining the layrax the doctor found the pigett is swellers pade and notables and the same and chaircreast of the averaged yeapstrate fold and chaircreast of the averaged.

CASSELBERRY of Chicago said that he believed he would be alled the first case reported by Mayer one of tuberculous of the lar-

BURLETT of Montre ! Doke of a cases treated

by the X ray by means of a lead tube dropped into the pharyax and down to the laryax. Both cases recovered. He also referred to two cases of primary lupus of the nose which made complete recoveries under radium. Orro M. Rorr

Shambaugh G L.: Laryagocele Ventriculara.

To Am Lary gol Au Atlants: City, 914 May
By Surg Gynec & Obst

Lary speech ventruculars applies to a cyture distantion of the ventrucie of Monegan a pathological condition which results from forcible distention with air of the ventrucie unsuity as the result of cougling spells or the use of wind instruments. Cases occur where there is only an intralaryngual distention others with only an extralaryngual distention others with only an extralaryngual distention others the cryst has broken through the thyrohyard membrane producing a swelling in the neck and other cases where there exist both an lister and extralaryngual distention. The authors case was an untralaryngual distention. The authors case was an untralaryngual distention. The authors case was an untralaryngual contention to the contention of the thyrohyard uncentaine. The intra-laryngual condition was operated upon by slitting the exist from below unwards.

INGALS, of Chuc go had a case without infection, which he treated by aspurating the cyst and then injecting equal parts of 95 per cent carbolic acid and glycerine. There was a good result at the time but the cyst reappeared later. O'ro 1f form

Hopkins F L., The Use of Radium in Papilloma of th Larynx in Adulta T has Lary of At Atlantic City 9 4 M y B Surg Gynec. & Obd. Some positive cures are reported More than a

st gle application m y be necessary and burns from too long esposure with consequent adhesions and contractions are possible. Caution is ad used as to the length of exposure when a powerful tube is used.

Swain of h w Haven spoke of the aid of suspension latyngoscopy in this connection Orro M Rort

Casselbetry W E. Recurrent Lymphomats of th Laryngopharyns Presence of Streptococcus Hemolyticus in the Growths Excised and as Associated Spheno-Ethmodal Discharle Autogen us vaccination Arrest of Sective rence Recovery 7 As Lary 56 to the Uc Ny 94 M J NS M Gost & Obst.

The author spoke of the causal relationship be tween the discharge from massi usum discoust and tonsilize and other lymphode callargement and reported a case exhibiting the association The term lymphoma is used sproay moustly with infectious lymphom deling Orro M Rott

RIRLIOGRAPHY OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

NOTE - The hold face figures brackets it the right of a reference indicate the page of the issue on which an abstract of the article referred to may be found

Operati e Surgery and Technique Leaving bed early after lanarotomies and deli ery

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Angesthetics

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Technique I sacral mesthesia. Zweifel. Mil chen med Webnschr 914 lin, \ 3 Supracla reniar anaesthetization of the brachial plexus

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Surgical Instruments and Apparatus

Prepared bandages for injuries from artiflery shots and burns. J Kepter West, kras kresta qış tozi. The indi indial package of dresangs. Satter trch. de med et de pharm, mil. 1914, lar. 1

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annual ligatures a prelimmary report. W. G. Patters.

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An improved surgical needle. C. A Dines im J 8 1914 ET III, 2 E 1 improved aspirator Kitry Gynek Rundsch

p improved sagarator Kvure Gynak Runded,

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the merthroscope. C. MacGowah & M. J. 19 4 Max, Sco. A new Group Roscope R. Lewisour Ann Otol., Rhund S. Layregol. 9 4, may, 75.
Orthopodic corset made of cellon. Glass, Dentsche med. Welnischer. 9 4, 21, 8 7.

SURGERY OF THE HEAD AND NECK

Head

Judgment in head injuries Stale En (il Sachrst d Zest g 4 113 Injuries and surpical disease of the face Injuries and urpical diseases of the salivary glands. II. Harvess

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R port of a case of septic infection of parotid glands.
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Fractures of the base of the skull with in ol emont of the managed process and their treatment C. Antica Viz-Munchen med Wichard 9 4 hn 544. The CRAMMENS-Van Otto Rhand & Latyngol. 9 xmm 169. Michod of restoring losses of batance at the skull C. REMERTEL Managed 9 3 Sk. Il griffit Maccalaire. Urch gén de chir 9 4

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INTERNATIONAL ABSTRACT OF SURGERY

OCTOBER 1914

MONTHLY COLLECTIVE REVIEW

THE ABDERHALDEN (SERODIAGNOSIS) TEST FOR PREGNANCY

A RESUMÉ OF THE LITERATURE

B) W. A. NEWMAN DORLAND M. D. F. A. C. S. CRICAGO.

**Tolerance of Gyrecology as the Fruit-Graduat. Medical School Professor of Obstaters in the Medical Department of Loyola University

N 1012 Emil Abderhalden professor of biologic chemistry in Halle Germany formu lated and published a new idea in physiology which if it stands the test of time as it appears to be doing will go down in the history of medicine as epoch making It has been termed a laboratory diagnostic test for pregnancy especially valuable during the first four months of gesta tion but in its ramifications and enlargements it appears to be far more than this becoming in reality an almost mathematically accurate method of diagnosis of many organic diseases as well Since the appearance of Abderhalden s first paper there have been a few dissenting voices, notably Engelhorn and Michaelis and Von Lagermarck in Germany and Heaney and Davis and Williams and Pearce in this country but the consen us of opinion among those who have studied and tested the method in over 3,000 cases is corrobora tory The possibility of errors in technique must be borne in mind in every negative case. In all his experience Abderhalden has never obtained a negative result with serum from pregnant women or animals Moreover an interesting side-proof was obtained when placental material injected subcutaneously or intravenously into males gave positive findings

In studying the method 'abderhalden gt ex, in his various contributions, the following axioms it Positi e findings show that the serum comes from a person with a placenta but this does not show whether there is a hung fertus present or

not

2 If the reaction is positive and there has been recent uterine harmorrhage even in the absence of other signs of pregnancy an abortion is suggested.
2 The reaction generally grows nealer to:

3 The reaction generally grows weaker tovard the end of pregnancy and increases again during the puerpersum 4 The rotatory action of the serum of the

4 The rotatory action of the serum of the fectus sometimes differs from that of the mother s serum. This confirms the hiologic independence of the maternal and feetal blood.

5 The ferment is present in the blood from the sixth week after the last menstruation until the end of the third week poet partium

the end of the third week post partiim

6 The ferment is present in ectopic gestation as well as in normal pregnancy

7 Experiments on animals show that the reaction may be obtained within twenty four hours after implantation of an ovum

THE PHYSIOLOGIC BASIS OF ABDERHALDEN S

Abderhalden s mologic test is based upon the principal that when a foreign substance is in troduced into the blood a specific ferment is elaborated which is capable of decomposing this material. These protective ferments (Abuesh ferments) appear whether the foreign bodies gain entrance to the blood current autogenously or by parenteral (subcutaneous, intravenous, or intrapentional) injection. They are strongly proteoly tic causing the proteolysis by hydrolytic cleavage and work independently of the similar

protective action of the leucocytes. Moreover they are specific in their action in that they digest or break up protein substances of the same nature only as those which are introduced into the blood current and not any proteid in definitely Ferments of this nature include the agglutinins, anaphylactogens, hæmolysins, precipitins, and other bodies of modern physiology

The products of this protein digestion are primarily peptones and ultimately amino-acids, both of which are soluble and diffusible and quickly appear in the dialy sate of a diffusion-cell where they can be recognized by testing with ninhydrin (tri-keto-hydrin deuhydrate) or by the buret reaction - both constituting the dualysis method or by subjecting the fluid surrounding the diffusion cell to the ontic test in which the rotatory action of the fluid is noted before and after diffusion has occurred.

The specific ferment appearing in the blood of pregnant women results from the entrance into the blood-current of decidual chorionic and syncytial calls from the placents and this fer ment possesses the property of digesting placental tissue In order to carry out the test two substances are necessary namely a fresh or recently extracted placenta and the scrum from the wom an in whom a pregnancy is su pected

PREPARATION OF THE PLACENTAL TIMESE A fresh placenta is carefully washed both externally and by flushing through its vessel This is done in order to remove all maternal and fortal blood which will necessarily contain the protective ferment. The placents is then cut into small pieces and boiled. The filtrate from this process contains the chorionic proteids, and it is this filtrate which is placed in the diffusion cell with the suspected scrum

THE BIOLOGIC TEST OF METHOD OF DIALYZATION

Boil one grain of coagulated placental tissue in ten times its volume of water pour off the water and repeat the process until the addition of a few drops of a nunhydrin solution or of a bigret solution gives no reaction. Abderhalden recommends the ninhydrin test as more exact and as permitting finer differentiation in color than the biuret test Now place the placental tissue in a diffusion cell provided with a membrane which allows peptone to pass but retains unsplit protein and to it add 2 or 3 ccm of blood-serum from the patient whose blood is to be tested. Sur round the diffusion-cell with so com of distilled water Cover the liquid in the cell and that in the surrounding cell (the dialysate) with a layer of

toluol place in an incubator for twelve to sixteen hours at a temperature of 98 6 F (37° C.) At the expiration of this time place to come of the dialysate in a test tube add o 2 ccm, of a 1 per cent aqueous solution of ninhydrin and boil for one minute If protein derivatives are present the mixture will turn a characteristic violet blue color and it may be assumed that the serum comes from a pregnant woman. If no color appears it is to be assumed that the serum is from a non pregnant woman

The bouret reaction gives a pink color If the digestive process is carried too far the distilled water around the diffusion-cell will fail to give the bitarct reaction because all peptone has been reduced to ammo acids. It will continue however even at this stage, to give the ninhydrin reaction

THE OPTIC METHOD

Place 1 ccm of a 10 per cent solution of normal placental (ussue in physiological salt solution and a ccm. of the serum to be to ted in a small polarization tube. Read the initial rotation then place the tube in an incubator and test the change of rotation at various intervals up to thirty six hours. Serum from pregnant women will give a change in rotation from 0 of to 0.2 degree while the maximum change with serum from non pregnant women never exceeds o or degree Abderhalden has devised a special polarimeter for this test.

ADDERHALDEN'S TEST IN GENERAL PATROLOGY That it is an accurate means of early diagnosis of pregnancy is not the only claim for this method-the underlying principle is much more far reaching than this Any abnormal change developing in any part of the body reacts upon the blood current and produces in it some antibody or protective ferment to counteract the pathologic alterations or the towns produced thereby Thus carcinoms and sarcoma in their varying aspects generate by their presence harmic ferments capable of digesting the peculiar cancerous or sercomatous growth producing them The early appearance of these antibodies or ferments occurring as they probably do within seven or eight weeks of the appearance of the neoplesm renders an early diagnosis of malignancy possible before metastasis or general body in volvement has occurred and thereby strongly enhances the possibility of total eradication of the growth by surgical measures promptly insti-

tuted Nebster has lucadly stated the probable un derlying law in the application of Abderhalden's test to general pathology as follows proteins of the various organs are chemically different that is the component amino acids of which the protein molecule is composed are different in type and amount in the various sperific tissue proteins. It is reasonable to suppose therefore that the ferments in the serum of can cer patients might digest the protein of certain cancerous tissue and not of others For this rea son one must use as the substrat [substance to be hydrolyzed) in the Abderhalden test for cancer many different cancerous tissues in order to be sure of his test This would seem to indicate that the nathologist must keep on hand in his labora tory many stock substances representing the various tumors and pathologic tissues found in the human body wherewith to test the serum of the patient whose pathologic condition is to be diagnosed by the dialyzation method

SERODIACNOSIS OF INFECTIOUS DISEASE

Ernst Voelkel has extended the principle un derlying the Abderhalden test to the diagnosis of bacterial infections. He prepared substrats of typhoid diphtheria and anthrax bacilli from agar cultures He obtained trypanosome proteid from the blood of an infected guinea pig by means of centralization. He also carried out experi ments with the spirochete using as a control horse-serum since he was unable to separate the organisms from their culture media. His results with the typhoid bacillus were very favorable also with serum from human beings injected with syphilis but in the case of all other bacilli the experiments did not result favorably syphilitic and parasyphilitic disorders Wegener found that the serum caused cleavage of brain substance but not that of other organs Frank and Rosenthal found that no relationship could be traced between the blood ferments and tempune bodies

ARDERHALDEN'S TEST IN PSYCHIATRY

As Simon has stated a natural corollary of the biologic test of pregnancy was an experimental investigation of the psychiatric problem of the long-suspected connection between certain mental diseases and the functional activity, namely derangement of the sex glands Degenerative processes in the nervious ti us of the brain and of the spinal cord are now believed by Fauver Simon Beyer Wegner and other observers to throw into the blood stream cells or other foreign substances which exact the de elopinent of a specific ferment capable of decomposing the proteins of the brain and cord in corrolloration of

this belief it is well known that in dementia præcox the tissues of the genital glands are more or less affected and as Webster has stated find the serum of nationts with dementia pracox hydrolyzing testicular tissue if the patient be a male and ovarian tissue if the subject be a fe male much more markedly than it breaks up any other tissue. In epilepsy cortical tissue is especially acted upon lin those cases in which de mentia is present) while testicular and ovarian tissues are not at all affected It is interesting to note that these forments are so specific that the ferment of one sex will not affect the glands of another sex that is the serum of a woman will not direct testicular tissue nor will that of a man digest ovarian tissue Experiment has also shown that the organs of animals cannot be used in this test, but only those removed from a cada ver not later than from six to twenty four hours after death

The following precautions have been suggested 1 The organs should be taken from the cada ver of a patient who has not died after a long agony and has not suffered from an infection or high fever shortly before death

2 The organs should be removed with asceptic precautions

3 Organs containing much fat are not well suited to the test

4 After having been cut up boiled and tested until free from ubstances reacting with ninhy drin the organs should be preserved in the water in which they have been boiled between a layer of chloroform and a layer of toluren.

5 A control test should be made with a piece of the tissue and normal serum and also a test should be made of the serum alone

In manuacal depressive insanity proteolytic ferments could not be demonstrated in the senium by the various experimenters thus indicating that the test may serve as an aid in differential diagnosis

Webster believes that as soon as the proper substrats are established blerhalden's test should be capable of almost exact diagnosis in the difficult held of psychiatry whereby medicolegal questions would be much more amenable to solution

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ABSTRACTS OF CURRENT LITERATURE

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SURGICAL INSTRUMENTS AND APPARATUS

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Thompson H B. A Useful Splint for Fracture of
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Yorkweit

Med 014 1 04 By Sur Gynec & Obset The author learnings of furners spinat which he has used in a number of fractures of the humerus and the modulet. He mentions the fact that the modulet is the has not seen to the second the modulet is the has not seen to the second the modulet is not seen to the second to the modulet is not seen to the modulet in most fractures of the upper card of the method. In most fractures of the upper card of the modulet in most fractures of the upper card of the modulet in made upper fragment is pulled out ward and forward and to get good approximate of ward and forward seed to get good approximate of the arm must be held in abduction and forward position of the farm must have been an abduction and forward position of the sides of the cardoad part of the figures, need not be very to g — to i stricts for a child up to makes

for an adult It is better to make the spinit too small and pad it with cotton in the smith It is held in place by adheain estrops half way around the hold in place by adheain estrops half way around the holy at the nighes and the unbiliness, around the holy at the nighes and the unbiliness around the broad and the same of the small of the same of the same of the same of the same hold of the same and forearm. The whole is annothing the forearm, then around the hody. An Xray is aboun of a case supposed to have been reduced with the arm at the side of the hody. but in reality, the bone was not approximated at all. It was the put up with the figure 4 spilit and an X-ray takes which showed the f agmenta in apposition.

Sition C A Stor

Lewischin R.: A New Esophiagoscope A + O.d. Rh: d tr Laryngol 1914 xxiii B By Surg Cynec & Ob-t

The author discribes a new crophignous which as a mipicated rectangular instrument consisting of a horizontal part which lies in the mouth and a telesc per portion consisting of six tubes hich are released by means of a long apring and supplied with a surror of lenses and joint 7 in for the purpose with a surror of lenses and joint 7 in of the purpose of the pur

CILE | PATTERSON

SURGERY OF THE HEAD AND NECK

dit on

NECK

Theisen C. P Acute Thyroiditis as a Complication of Acute Tonaillitis. A Glod Ri nel b' Lars gel 9 4 xxu :

By 5 og Gymer & Ob-1

The author reports the histories of se en case in which acute non a popurative thyroidnis de loped in a previously healthy gland of normal size either during or directly following an track of ton sall its

The acut and ton subsided under teatment in about ten day but two cases after repeated acute att cks d loped a li ma ked gott and two

cases dev loped hyperthyroidism

A study of the interature shows that simple thyroidst which runs its course without uppurs toon, as a red disease and a primary acut inflam mation of the thyroid gland is so rate that it almost never seen only the teen cases having her reported Like I I LIVERSON.

Hirachfeld L. nd Rlinger R: Studies of Endemic Golter (Studien über den endemisch kropt) If nehen med li chnicht opt, in 46 By Journal de Chruspe

The authors periments on rais confirmed the atatistical results published heretofore. The latter experiments like the former indicate a transmission of the virus by direct contact rather than through the water.

Brockeart, J: A Case of Sufficiating Goter Study of a Series of F lty Operations for Goter A propos d un cus de gottre suffice : considerations with due sein de 3 extrepations de gaftre) A See belg de lar Brux 9 4, xxx. Br Lorent de Chronce

The author presented ay ung man of so who had bee operated on for a goater that caused the most control Benshe term of spincer Benshe term of the state of the st

The suthor has operated on so cases of gouter only 4 of then being in men Seven of them were true ppmary exophilaling gost with the classical symptoms besides some of the patients showed severe general ymptoms. All recovered and the complet of the or op 1st 4 there was thoolist and complet are sign the three other reaument works at the contract of
S ch results—50 thyrodectomes, 7 of them for exophihalim, gouter without a single death—sho thorough techniq e and judicious selection of cases Cases that show procound cachesia myocarditis, albumnuna, or diffuse ordems should not be oper ated on But sometimes even in severe cases of Basedows disease the author follows kocher is plan of performing several successic operations, often with unhoped for results Generally he operates only after the faiture of medical treatment but manifestly it would be useless to attempt moporter. Operation should be performed at once when a ample gotter begins to show signs of Base iows disease and also when there are upso of comprission. H prefers local anassthesia except in children and nervous patients. He thinks subcapsular enucleation the quickest and last danger ous method of operation. When it is necessary to remove the diseased lobe with its capsule as in exophtalame goutr he takes care to spare the posterior part of the capsule thereby avoiding the recurrent laryageal and the parablyroad. The recurrent laryageal and the parablyroad The recurrent laryageal and the parablyroad The hamorrhaper the vents must be ligated carefully not merely or the compared to the control operation in exophthalmic gouter he prefers hemiltyroader comy combused with resection of the upper half or exceptionally with ligation of the upper pedicle of the opposite lobe J Duos 7

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Fort R E. Total Excesson of Claucie and First Rib for Mailgnant Disease S [G] & 6 Ob 1 914 m 595 By Surg Gyner & Ob t The patient a boy aged leven with negat e family history had a tumor of eight months duration Three months after another surgeon had

tion Anree months after another surgeon made chusted away part if the tumor it was submitted to Dr Litterer pathologist of Vanderbilt University who repo ted gani-cell esteoarcoma. The tumor rapidly reproduced itself and when seen on July

3 013 it was the size of an English walnut smooth hard and firmly attached to the inner third of the clavicle and first rib A T shaped inc sion was made from the sternum along the lower border of the claucle to the coracoid process of the scapula and from the upper portion of the te num to the upper border f the second rib n | the la ci disarticulated from the stern m and first mb Excision was acc implished by working from w thin outward. The same method was followed in the ex ision of the rib which was by far the most difficult part f the procedure \ \ padded retractor was used to hold p the essel Considerable d finculty was enco at red in disarticulating the rib from it ert brai ttachment This was accom plished by usert g blunt sessors into the articula tion half of the sternum was removed from its pper portion to the st. nd nb. The author regards

pper portion to the st. nd rib. The author regards protection of the mediastinum and pleura as one of the most import nt t ps practically all of the nimed at mortal by being due to infection

Th w nd was closed and a cigarette drain nscrited cssel was ligated during the operation and there was no injury to the mediastinum or oleura. Recov. rv was uninterrupted

Zeaza, D G Th Question of Pieural Reflexes (Zur Frag der ple rogenen Reflexe) Z straibi f Ch

q 4 xis 37
By Zentralbi f d ges. Chir u. Grenzgeb
Ther two diam trically opposit theories to explain th nervous ymptom bserved after opera

t one on the pleura that of pleural reflexes and that of air embolism in the arterics

The first theory is supported by the fact that where an unjection of imorphane is given before a puncture of the pleum there is no attack of general pasms with loss of consciousness and that if the spasms appear they immediately disappear after an spection of morphine Beneric has tred to show from his cases and autopases that such cases are caused by embod ongpinating in the pulmonary venu.

Zesas does not believe that Breuer's results disprove the reflex theory but believes they only show that nervous disturbances appear that may be due to artenal are mobol. He assumes that the nervous daturbances may be of different origins, caused by pleural reflexes as well as by artenal embol. Chi call and experimental results seem to mokeate that particul conclusions as draw that the very which the practical conclusions as draw that the very when the the pleura should be preceded by an impection of morphate to allay nervous ternability. Kora is

TRACHEA AND LUNGS

Lilienthal II Pulmonary Abecess and Bron chiectasss. A Surg Phila 914 hz 855 B) Surg Cynec & Ohst

The author bases his conclusions on the study of fourteen cases of non tuberculous supply at on of the lung Fourteen operations were performed on le en pat ents One patient was not operated or Two patients were till under treatment. There were four deaths and three actual cures. The conclusion size as follows.

The differe tial diagnosis of true lung abscess and supp rative bronchiectasis is important

2 Radiographic study of each case is essential
3 Bronchoscopic examination is a valuable pro

3 Bronchoscopic examination is a valuable procedure and should not be omitted 4 D amage of a lung abscess by thoracotomy is likely to result in cure

5 Drainage of large infected bronchectases may be followed by improvement but complete reco e y is unlikely



& Of t

In ent roptosi change in position had no marked ffe to the di tribution of blood But a favorable il ct on the enteropton was hown by Glenard's manipulation or the ppl att n f an bdominal binder while in ormal person they did not produce any notice ble effect. It i probable that the adaptation of the previously diluted abdomnal resides to the changed con ! ti locs n t t ke pla frac si lerable time so th t the r al terman t If ct of w uring a binder die not become evid at until aft r the lapse of we Ls o even month The f ch therapeutic me ur se ms to ! provides the experiments incl the simptom in ente onto s tre e lly d e t d turban is in cir u I ton und the resh

Isman C B and Bergt ld W H Amniotic Membran for th Pres nt on of Post Opera ti Perstoneal Whes one a Prei min 13 Not Ob! 94 5 g G

Amnotic m mb ne used to prevent p t ha e perat adhesons throubath dh priest I and h be I roken up during th when the rm I genc wull per t n result in idh on Mimbre ur selet lifr m halth id dal wa hed theoght run ig wat r mmered f tw t fu hou n ent frm ldely le seluti n (wit rs) ip se d frite In o pu fr llh'i n perent i hi Wh ≪ith m milled with 10 tthl rth

with igt li il inter (e) It in b did in here is soon blue () t tribe to be the light dand preserved in the see in his th be nutled up to dat threath bot and fir nihe irl liliheir ig mpima ribli t priin lih

The present real terms to wrant all to a fllow I'h m thod h mi sa It wem t fre at the faction f pert a l th It t pph at 4 It with ff th r to 1

GASTRO-INTESTINAL TRACT Pau h t Doubl Gastric Sten s Tr pl Anas

tomos Recu ence f 5) mptoms from Pep-ti Ucers G trectomy Reco ry (Double sté no g nque cotomu en sabler i hode l om

14 158 B Journ I de (h rurg

htirta (houghsistem edly legikr (th. laver u. t f hou glas stomach sed li there a lso duok I t osas II pe framed igitr trost mal g tro at t my Ih d the two peptie rult was good f ule rate 1 pel 1 the ope gas a seed pet on was perfer 1 and the 1 w pock to 1 the

hour glass, the gastro ast c anastomosis and the usunal loon were react I only a part of the upper pouch was preserved a 1 implinted in the jejunum The operation was casy and the results good

The author is more at d more convinced of the in fficacy of gastro enterostoricy and sy tematically employs stensive resect on-not excision of the ulcer but gastrectomy in c the simplest cases of ga tre uker lie thu r moves the uker com pletely suppressing the zone of pept c glands he ha no fear of recurrence of peptic ule rs, o late cancer ous degeneratio dra page is p riect so that the funct al sults are complete and pe manent In conclusion he calls thention to the striking emptoms following lavage of the peritoneal cavity with eth r during a gastrectomy. I'vo minutes later the patient but me pale a d covered with solet pots like a corp e Though oxygen was go en this app r me listed for four hours and he the ght the patient was never going to awaken At the end of that time however her color became norm I ad hr.coered

(1 É) has only pricticed gastre tomy four times fruler but his perience confirms Pauchet s cl ston

OLE 1 also find Pau het's method advisable frospicul r but doubt t applicability to all c ses of gast ul r ld us n followed on the a d t some of them f t l follo ag the use of the 1 m at the pent cum. All agre d in in tag that the prate um mut be th roughly dried buf re losing the abd me

Delore Pept c Uice after Gastro-Entero tomy (Lkère papt : DFt By Journal de Chiru ne 519 D lor perform ! g to e te ostomy in 19 o

n mn fuof i on fth pil us His p tient h d a l ng pe od f complete health and tle hwd sig f t nosis agai Radioscopy how dehatth j al pe gw functi n gwell dibatth tm hw nit llatd On ope a fthe ji us was f und and st n apept of routh jin m mm lat ly below the n im Ih ule I dix forat d and wa ovrdb It was acreed It the first ı pept ulrthith othrhsfound m ghis I int II is not belive it was due to faulty et ppe el everal y ara afree an per t that h i gi stiss ctory res its for lagt m Il th ks th t papere ul is only a cu re of th ult rous p oces

Giver n ntl obser ed a jejunal paptic leer aft gat nt ross my Il had ope at d on the puent t years b fr with a Jaboulay button il operat d and found implete stenous of the anastom s II the pe f med a cry exten ive post for a tro ente out my and sect d the pylorus wh h was somewhat indu at 1 1 ve or iv) is lat he pat ent et ned, c my laining bur g st satio th t was helped by sodium bir bon t ece the he had had nt tinal hemor

rhages which examination showed were due to a jejunal ulcer He has not yet been operated on again

LERICAL in 1908 as was used of the opening alter positione gastro-entrodoury the button. On reoperation there was an enomous plant properation there was an enomous plant careing the opening. Patient recovered after rejumentomy the entry of the plant recovered after rejumentomy the entry of the rest year there was another recurrence and finally death. On autopsy the gastropymal use van haled but there was a large recent uteer of the lesser curvature. There are theref to neutrences in spate of verything. These uter statem to phonourous in origin and in ush cassa tarche advanse operation by donal protectif in

Descourres recently peral I on a patient who I had a gastro-entero ausstomous I ur years previously with a Jaboulay button. He had suffered a great of all Descouttes found the anaatomous reduced to a thread but a stylat could be passed from the ct much to the intestine. He cut this anatomous anatomous maistomous maist

BÉRARD reoperated on a patient on whom Delure had performed gastro-entrovtomy with a button He i un it the epening had con pietely close! He has since given up if button and now makes his anatopooces with uture and clumps and has n ver had at a titut ulcer.

Vallas belie es that anastomo-es with the button may retract spontan ously. He has always used suture and has no r l ad peptic uker or secon larged blerati n R. Lauten.

Mullery W. J. Gastric Hypertony and G. trointerestomy J. in. M. 1. 1.44 1. 383 B. us. Uncc. & Obst.

The uthor att mits to expluse these uses in which there is a return form time pain and ther gastric symptoms fill wing the operation of gistroent ro tomp by what i called gittin hypert my outside the sagus accross.

The stomach recer es its nerve supply from () the vagus whi he on eys t are nd motor impulses (2) the sympathetic which is inhibitory and (3) the pleases (1 varback and Veisser r whi h are

both motor and abibitory

Epunger and Hess are quoted as d scribing a condition f xces; vagus timulation as in crease of the mot r and sensory fun in s f th stomach coupled with other v gus ph nom n Y ray reveals a small stoma h tightly contract d with occasional ant peristalt: waves

In this condition while at operat on the toma h in usually relaxed yet as soon a it begins t receive its usual timuli there follows a past condition that contracts the new atoms and soon gr er reve to a return of the old symptoms. Yety examination during an attack who is a ontracted at much with no outcrey to the new at in.

The author recommends a close naminati n in all gastine ulcer cases for the igns of got my They are (t) bradycardia () disturbance of respiratory rhythm (3) bron hial asthma (4) dermography (5) urticaria, (6) "head zoica, (7) low blood pressure, (8) apastic constipation after nating with dustrices. In cases showing these signaring with dustrices are carried medicinal and hygenic line of treatment both before and after operation, abould be instituted.

Fatture M Cutes.

Hartmann II: The Function of the Gastro-Enterostomy Opening, in Gases of Permeabl Pylorus. A Sug I hila 1914 lux 31: By Surg Cyner, & Obst

Two problems are incursed, and the remit or experiences to performed by the surhor on dogs, to-gather with Y ray? Indings following gairt-ocation tomy are gairs. The first problem to be discussed is, Does the ansistomotic mouth obliterate in the presence of a patilious piporus?" Although the view that it does obliterate is ace pited by Kelling being unveiled to the problems of the performance of the problems are designed to adult that the austomous thoroughly hand by murcous membrane and fire from scar it is to should be one obliterated merely

because of its non use.

Forty the cases in which the "mouth" became
obliterated are mentioned. He concludes that
oblit ration results sometimes from the citativation of a peptite ulter which has developed in the
mouth. Obliteration of the anastomous is exceptional in cases not perated on with a button or by

the 1 method
On the other hand the int grity of the anastomosis has been anatomically ascertained in cases of plurus, to be functionless by Heurk after 3 months.

oylorus, to be functionless by Heuck after 3 months Busch after 6 years by the author after 5 years. The second problem— we the gastro-intestinal snastomoses functionally useless in cases of permeable pylorus?—The generally accepted theory is

that if it remains patent it is useless.

The facts do not agree absolutely with these conclusions. Legueu Delbet less, Gray Pelres, llar tel and liess have observed the gastrae contents.

citations Legien before a the gastrae contents tel and live have observed the gastrae contents have through the pylorus and through the gastrontest nal mouth.

Hartman's experim nts show that evacuation is

I mentally by the anatomoss if a strated on the ploric antrum and through the plorits if it is strated on the fundam of the structured on the fundam of the structured on the fundam of the structured in the difference in the force of much the structure and from a real front part of the structure provides the structure of the fundam structure provides the ploric mater the fundam and very structure as years with the

Addition to the state of the st

Downes, W. A.: Pyhele Obstruction in Infant a Report of Twesty-Tree Personal Cases with a Report of Twesty-Tree Personal Cases with Dyraction J. As. M. B. Sarg Gynes, & Obs.

The author reports 1 cases of infants in which surpred ires

There were eight deaths three of which were not due to the operation

From a study of these cases the author submits the following conclusions

1 Hypertrophic pyloric stenous is congenital to the extent that there is an increase in the thickness of the circular muscle-fibers at the pylorus. The presence of this thickened muscle fiber reduces the umen of the pylorus and therefore the stomach in order to empty stself contracts more forcibly than normal This abnormal contraction soon causes the mucous membrane to become thickened and ordem atous and assume a more or less miral arrangement as it passes through the narrowe I pyloric channel of from & to 3 inch The tesult is a altular action which gradually 1 reduces complete closure of the malorus. The question as to whether or not the pylorus will admit a probe or catheter at operation or necropsy a of little consequence when w ighed against the clinical e adence of complete obstruction 2 That there is sufficient time between the onset of symptoms and the appearance of the signs of complete betruction for careful been ation and the c maing out of any medical measure 1 kely to prove of benefit there an be no doubt provided f course that the arly symptoms have been proper ly interpreted. The f ar how ve th t the condition may be existed long r than has been sus pected and that the tality of th b by a not so good as appearances would ignify man the

uthor to feel that operation is dicated in e cry case of hypertrophic ste usis a soon a th diagnosis is made. Should depression r arts ev 1 ce of bock be present immediate pe at o) demanded The babies coming to operation in good onds tion suffer little or no bock the r convalescence is

straightforward and they a t or restored to n rmal health B more Holt L. E. Medical Versu Surgecul Freatm at of

Pyloric Stenosis in Inf ney / im If Ass 0 4 1211 20 4 By Surg Cypec & Ob t th toly of 7 ages of The namer is based

pylne biructio n ft The symptoms diagnosis and tre t discussed most chact natic mpt m sprojetile miting u il or rr g when the age of the hild is fi e to er n webs ld lers tent mi g d ring the irst i w i ys after birth is not often due to pyl ric te osis. The diagnosi e usually be made from the ympt in tology I ne B sides visible gastric peristal the m st aluabl of rmation can b btained from meas ring the tomach contents a f w hours after a gest in faknown amount of nonco gul bl food Such info mation is more v luable th n that gaused from ro tg n ray study after a bismuth meal

The thor believes the generally accepted class: fication I these cases with the hypertrophic and spastic types is unwarranted and misleading in that probably all have similar pathology lie thinks it bett r to divide them into mild and severe

The advantages and disadvantage of following either the me lical or surgical methods of treatment are discussed in detail. The author believes that the nathological condition responsible for the symptoms is of such a nature that it disappears in time and that the surpical treatment should be carried out in these cases in which it seems reasonable that th mechanical treatment will not serve to keen the patient in fair nutrition until the condition is relieved. The indications (r operation are (1) No diminution in the comiting or gastric peristalsis by stomach washing and diet (2) a steady loss of weight of one to two ounces per day (3) marked eastric retention (a) absence of facal stools

The author minimizes the importance nalpable tumor both as a hagnostic sign and as an indication for negation BARNEY BROOK

Ouénu E and Con tantini II : Indications f r Resection of the Intestine in the Radical Treatment of Certain Hernias) (Des und tions de la résection intestinale dans la ure radic le d certains hera es) Rer d k q 4 lix 4 By Journal de Charurer The uthors discuss rese tion of the intesting in

the radical treatment of certain hermas, when there are no complication and especially no strangula Hernias containing new growths and tuber cular for are rate and therefore of hitle interest Adherent and irreducible he mas constitute the great majority f the cases in which enterectoms i indicated The nature | the adhesions, the struc tural changes and njuries of the intestine in the course of frieing th m m y be a dications for an enterectomy a berma It was first practiced by fulliard and is still consider dia serious operation

The authors report cases—three I them their own—w th only one de th. They express a se ptici m as to the freeing of adhe ious which would be

rorising were it t for th fact that the adhes o s in the r three case were affammatory in nature difficult to treat in any ther way In contrast with the re ults furnishe I by enterectomy they cite th accide is observed in certain conservati e operation such as test nal occlusion and a ti In 1 td bi hern as the sc enty of ncı l anu the peration i depe de t on the length f the at the which mut sometime be r sected reduction # mas l es the danger of cardiopulmonary accident or crise of occlusion alist n tio from perati n the rule gen rally followed

1 OFFICE

Bartlett W. A Clamp Int nded to Facilitate the Suture-Anastomosis of Hollow Viscera S. f. Gyare & Ob 1 9 4 111 761 By Surg Gymer & Obst

The autho hold that in stomach and ntestinal surgery n mak ng n anastomous operat rs require the a d of an in trument to hold the viscer fixed in position to prevent escape of the contents and to brod ce hæmo tasis

Her the of the loss handrages of the net run cents in and the ty of an alumitum one which he had seen that it is feet in true in and the ty of an alumitum one which he has made he had seen to be a survey of the had seen to be a survey of the seen of the had seen to had a seen of the tenth of the had seen of the had seen of the s

partienth intuncities atsitut ein h ly

n the fax and tract on on the in agnated we from if this is not successful and rection has to be part run if the fir gnosis by much n re un 4x t i

who exceptions a me tare the three data made them he is a business may early a autono to a 1th m. Chy in proaposity in a respecting well by territy of wave line press of the set like for except forms; it mustes) easier the press of the set like for except forms; it mustes) easier the forms of the set like for except forms; it mustes) easier the set like it was a merchantly large of the built exchanges an except like for except of the integrating pair of the necess to be and tobes. In order in the try full preserves me in the set of the set of the preserves me in the set of the preserves me in the set of
Summ rs. J by Suggestione R darding the Annal 19 I and the Surgical Technique in the Treatment of Jonnesco Membran I be that 9 4 1 848

The illness started while the child wa out walking the became pee win writable and later constituted its supper. Two day, later it was found to be uffering with an acute addominal pain some distention and was comming. The temperature was on and the public from it to 130. The next day is the con histon were about the same except that there was a great increase in the abdominal tendernee and pain but the was no sign of localization of the unformed to the next day, the child will found in a 't is of collapse with limst type' text comming of he and dark lound it comes and the child was opened to the property of the child was opened and the child was opened with large of the large of the child was opened when the ch

child was operate whom
The pps, d w found t be tels allamed
ers much enlarged and perior 1 } vg.m. r. i
port at w i bo prest 1 The child improved
foill an githe oper is in b i the obtract in w not
entit is r.l. ed It operated was an interstom b rig perd med It it ed i
bout there was when it led of gent leep is While
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Frankenburger J M Hyperplastic Tuberculosis of th Col / im / ontol bec Mil (

o 1 J Sure ta kub in the like the like to the like the li

there is no involvement of the mucou membre court on account of the narrowing of the gut the irritation caused by the passage of face. In 3 produce ulceration

The symptoms are slight const pat on an I har thea som times alternating. Lat r the symptoms are those of gradually increa ing intest and b true tion. The differential diagnosh is b tween arroma carei orna syphilic and chronic appendictit with these on.

The treatment t purely surger l If possibl the entire growth should be remo ed but fail in the a h rt circuit ng operation should be performed to clere the obstruction

Two cas are report dwth suc soful peration

Illirsci mun L J The Pathologic S gmo d Colon and It Surgery T im I rockel Sec Vil t

Studies with the 1 rescope and the gm ide to be a bound to true prolaps divinguals to this general door into the turn not an uncount need to the true product to the turn of an uncount need to the true to the ignor of a teaching the needs of the magnate 1 repriped portion the open of the magnaters that each general the open of the magnaters of the lening the needs of the magnaters of the lening the needs of the magnaters of the lening the needs of the magnaters of the needs of the magnaters of the needs of the magnaters of the needs
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n oles the lie ing of the libst and the ring of ware ith ntlpill r triegraft il r bott uiting filt gm d the libst dhi of the igm il trio bot uiting til t u l db on t th lim lw | f llon me

Il pertijbio nijal e of the sorm it olon in the pathol gilnito which not freq endy bee me twith Whinth wills fithe bollating a jeoport ni unil girbro tost historian jeoport ni unil girbro tost historiang ni nufficial nadion nati con nati chi

I pa toms

I mignat growth fith igmost ion nuth mand to tom this all hitton

The state of the s

median line Fifth it takes the colostomy opening away from the neighborhood of the line crests, and allows better fitting of retention apparatus and colostomy shelds. Sixth control of a median colostomy is as satisfactory as the lateral.

The author has found no difficulty in securing colostomy control by using a small rubber eathers in the mesentenc opening beneath the spur and enercing the upper limb of the colostomy with this calletter drawing it just saug enough that the nuceous surfaces are in apportunion. The calheter mecous surfaces are in apportunion. The calheter are considered to the colostomy of the calleter and released by the patient which he sides to deficate or expcl fluids.

Martin C F Retrorectal Infections. T Am Foctol Soc Atlantic City, 914, June By Surg Gynec & Obst

Martin reviews the histories of shrty-seven case. In addition to the infection of the retrorectal space many of the cases also had involved the pelvicetal and ischiorectal spaces. Some of the more chronic cases were complicated with stricture of the rectum and multiple fistular.

and multiple same. Eighty five per cent of the infections occurred in males. External tranmatism was not a factor in this series of cases. The author holds that most of these infections originate from internal traumatism associated with some condition which lowers the resistance of the individual to program infection.

resistance of the individual to pyogenic infection.

Pulmonary tuberculosis appears to be the most constant factor in lowering the resistance. Tw. aly one per cent died from tuberculosis at varying peri

ods either after examination or operation Forty the e per cent of the cases are not d as having pulmonary tuberculoss

Of the 55 cases operated upon 33 were cured These present 60 per cent of the operative cases or nearly 50 per cent of the total number examined

In nearly half of the cases the origin I abscesses had opened posteriorly either between the sphineters or at the snorectal I ne Pain was not a promi ent symptom

The methods of incision applicable to the various complicating co d iton are furelly outlined. The author lays great stress pon the senousness of these infections and pon the necessity of the prolo ged watchful after treatm in

While the prognos to both complete recory of the local condition of the gen rai health as well as to the preservation of the sphincter control should be guarded careful after treatment and prolonged observation will result in saving large proportion of these re lly serious case

Thorhecks W Familial Occurrence of Investinal Polypu (Uber das familiars A fireten von Darmpolypen) Deut che Zich f Che. 9 4 c.r.v. 553 By Zentraibh I d ges Chr u. Grenzgeb The author reports three cases n a hidd to father and the father broth r I about 50 per

cent of the cases of polypa there is carcinomatous degeneration. The proportion of polyposa uses and women is 100 for \$a\$ per cent occur before a, and the test after that age. Folyposa with carcinoma is take as frequent in men as in women. The large mitastine is most frequently affected especially the rectum. The disease generally appears in carry hiddhood which together with its occurring in different members of the same family seems to inductate a congenital preliagonatical preliagonatical preliagonatical preliagonatics.

The known theories as to the ongs of polype and the development of cartonous in them is discussed. In the beginning there are symptoms of catarrh of the large intestine the stools, sooner or later are mused with blood and mucus. The dust rost and pannid tentenmes cause gradual ensurance and the stools of the

Exact diagnoss is made by digital examination. Little is to be expected from treatment. Impation with astringents curettage of the polypa, the formation of an artificial anus and extripation of the rectum do not give satisfactory results. The latter is to be recommended only in carcinomatous degeneration. The ch ef stress is to be laud on abund an autunition. Horspa.

Hill T C Anal and Rectal Growths of Begign or Doubtful Character Boston M & S J 19 4 claz 977 B) Surg () nec & Olst

The uthor calls attention to the small number of ben gn rect 1 growths 40 of these as compared with 76 malignant tumors in his series of 3,000 rectal case.

The chief int rest in rectal tumors lies in the difficulty of diagnosis. Since the two step operation whereby a piece of tumo is first removed f r and croscopic exami ation and radical operation per formed late it the tumo proves maligna t is not recommended an exact distinguish essenti !

In some regions of the body where some mutition or shight deformty need only be considered the removal of a growth of doubtful nature may be a matter of small mport. This is often true with respect to manupaky tumors and dutables are prosent operations in the hand of competent wir goons, are done on being re-ces. The remo-bd arcel Humor may result indefo mity also but with is much more import at the re-may be serious in particular to the may be serious in a particular to the may be serious in a particular to the may be serious in a muticular to the may be serious in a with a mall percentage of authentic cures, not is piecent. It is therefore not to be undertaken lightly

Different cases at described which presented conditions hable to be mistaken for malignancy Bland internal fist he associated with irregular

induration occasionally f und along their tra ks may very closely resemble car moma 2 Inflammatory installs in yphilitic patients often present difficulties in diagnosis. Whether sy hile has anything to do with their production is not known but the employment of antisyph. Line treatment synchronously with operative measures is usually necessary for the cure of such fistular

3 Most of the benign rectal tumors are adenomats or glandular polypu They are mostly found in children and are the causes of repeated ham orrhages They may also be found in adults and here they exhibit a tendency to undergo cares nomatous degeneration. In both instances their The technique which is removal is imperative

simple is described Alsoma of the rectum has been observed in the author's practice. The diagnosis of this pathological currouty could only be made from a

section Multiple atlenomata are occasionally met These are found higher up than the zone of ordinary or urrence of single growths and the ramining finger can often detect two or more. associated with them is a hi tiry of diarrhoa and mucous disch ree This i a rare and serious con dition seldom seen in general practice. It is best treated by the establishment of a carcostomy or deostomy followed by irrigations Colectomy is not

recommended recommended in the General anasthesia examination as the character of a tumor is changed aft the relaxatio produce | by the anasthesia.

Jungerich W Acet nal Suppositories in the f Proctit (\ etomizapiches lei reatment of Proctit Proktitisbehandl g) Berl M

0 4 h 356 By Zentralbl f d ges Char 1 Grenzgeh.

The author discusses the modern treatment of processes Instead of the most treatment with disinfecting and astringent substances he now uses a dry insufflation of powder and has tre ted several cases successfully with acctonal suppos tories This preparation contains a per cent aluminum acetate as an a t ve disi fectant and astrongent and o per cent aceton chloroform salicylic ester treatment consists a regulating the stools through diet sit baths in the evening small enemata foil, morning and evening and then application of the This has the advantage over the moist treatm at that t can be carried out by the nationt himself without his work being interrupted KOREL

Miles, W. E. Two Cases of Total Excision for Complete Procidentia of the Rectum Proc Roy Sec Med 9 4 11 Sect Procted B Surg Gynec. & Obst.

The first case was that of a female domestic who had suffered from prolapse of the rectum for seventeen years She had unde gone an operation for the procidentia seventeen years ago and a second

operation the waster later both of which were un saccessal Daragetraining and with every motion of the le es he rectum protrude I to the extent of mees. When the restruction was reduced there was a damen narro ing of the lumen of the besel at a Just corresponding to the area of the properties was the board was protruded. The and was rente a d there was marked alony of

the make makes

The a of total excision was performed a.er ... 2 .e ... t made a complete and tom terr ped - ery excert for recurrent hamorrhame ir m L any a the actoraginal septum. She recover as a col

The w - ment had had an operation seven 1 at all a red by neurence of the prolator The want a wal estimation effected a cure The t are the traine of the fadare of

a ets - pration to effect a cute in compa e process of se rectum. In both cases the agex of Large a cal a curresponded to the rector, models J'an a therefore the who e of the rectum - ine external layer of the proc centra In west cases a perstoneal pour's contains a co s of these existed. At the eye 2 2 th eme tert mit ether with a corr wormeg ler gib of the set w co on about ripe i ches in " was removed, and the pr simil end of the fe .c com was send to the skin of the anus The eat real

percer a I levator ani mucles has be n est la me an hora expenence a th e crea crees to version a a sale procedure as all ci ba cases cone - He states that in cases of _compre his erre' peloce the beatrance is constituted in had exce ant results from an overa 1 ... w ... pen error rectal wall had been army seed on the the error surface of the sacrum. He seems to he option, the latter method is not apprecable cause of the anterior pentoneal proces and and

legal produce protrusion a. e. xy'y The operation of rectofer) as taken) has was considered by the author it and it

the operation of total excuses dans CC SUE P

LIVER, PANCREAS, AND SALES

Mendie, A. Modern Surgical Treatment of L. Supporting Hydrod Cres of the Lord (Trainent Living County of the Lord (Trainent Living Service) P Deller 19 th Ey [44 -

Ey S Jan 1 The method of choice is the purating hydrical cyurs & --followed by spenial course as a surface of the creations The author reports 1-1 Cara been said to orthogo a serom ago

ben and to do Che and the and the and o cue, e. l'ancorrer -Delbet a technical and and

in there to case the e was hading by fort int nt on anhous ac aliry effu i n my per i nt

the only contra a heatrons at if the to if the c) tis leep I was rift to re t state I il cate a A the wall. If the c atents of il cost permit it Delbet int cis t par cent form his bafore the tara tion and who they done nir ce tie effu im i les it quantly when I lie but not I I e in heats n of the cy t to the abd minal wall as the Mm to lat r Hu in Mitt faat n there 2 fluun in c fur ant of the e - ant in he int at of the area will ut position. When the es t for not collapse I at cours bellet as

rat the air Mr ur if gation I uld be perform I als in s to the at pour ting o t talls ik in ! extirpate nonly in not the net yes till packet no least half the jet it if it has count of hemorehige and I leich go to the to n wit ut suture thire ar aft t f pe time il these artical ribas suft Wr Is sten it tatim fil A an A in fulh mrha, ni ul Resig to n का रेजी व नहें हरत हुए । इस में एवं तेहत that the land of the land of the land to land the land the land to land the land to land the land to land the land to land the la pe fem in a fretta

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t mponing to mak uture pursible there must be a sery free incisi n horantel sincigen is lest Lt of call lattents n to the f et that the ore a if hould be on the kit I the patient the patient bould be tur d toward the kit by the lateral tentimation of the t ble and I y a cu high as de the I male gon Il to position of the patient was recomm nafed is RoBr neoinhathe ma da is ily of t in d by means of an at please which he int at 1 I Des ve

Cibbon J II: The Treat nent of Gall Bladder Infection : with R port of To ney-Siz Recent

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It sufferentel rather I attend from at in the motion and let beld like me and me wal wine fibe p thing alcomplications but a reare are unclass be lut are not the the

the figural gall blad nfection is Nat raini ari) pert nal hubibead relu ko th te 18 w ne lunt contain ichte To 113 I me lie n lere im net h poet if tor sie trong Is a mult The longer pear an delay of the ter the ak i c mil thou an ne such s Il king felt c t tu t taf et a fehe mill r

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also a theut tones

Abras amer m not the art I sa ho tion at resing points d my d from the b ne inter a ng f sture of this later that every use thing after ope tion was leaply as note !

bil re The author furth r states that in u mplic ted The author furth r Staller, that in u implicited that the dear she that a no granter than a the reducar ablomand tere. I coloquest the dear of the dear she was a staller of the staller of the she was a staller of the
of at least to the cept in a ry rare was Denrine M CREAK.

36,

common duct opens was transplanted into the colon the papilla also being transplanted

The technique of the operation is described. Of three dogs on whom the operation was performed two died as a result of technical errors in the opera tion and one lived He thinks that this trans plantation of the ampulla marks a great advance in experimental surgery. In the previous anasto moses between the gall bladder and the stomach or intestine the excretion of bile was disturbed since the bile must be discharged according to purely mechanical laws while the physiological impulse to the secretion of bile effect of albumoses hydrochloric acid etc was done away with By the transplantation of a piece of the duodenal nail containing the common duct and the ampulla, the physiological impulse was preserved and the dis-charge of the bile simply transferred to a different part of the intestine. This also lessened the da ger of infection of the bile passages as the sphincter of the common duct was preserved Uvrag Deals

Deater J B and Pfeisser D B.1 Chronic Pancrea titis. A S Phila of the 84 By burg Gonec & Obst

Complete removal of the pancreas is homicidal partial excision is difficult and but rarely indicated and direct drainage can be accomplished only in very imperfect fashion at best

Difficulties in dealing with chronic pancreatitis are increased by the fact that no definite laboratory test nor syndrome of signs and a symptoms identify it. Hope his in prompt action in early lessons to prevent development of dam ge to the parently ma of an essential organ which can never the reparred.

Se ceru facts have been established (r) A considerable number of pascressic inflammations are associated with and are secondary to afammatory leasnes of the alimentary tract particularly the leasnes of the alimentary tract particularly the involved than the body and is all of the pances. This is probably due to the close association of the lymphatics of the gall bladder liver and disoderant with those of the head of the pancess. Deave and Prieffer have shown that pancrates infection corresponds with lymphatic distribution and not with the distribution of the duct of the passrcsis.

Pancreatic lymphangins occurs such cholecyatin, with o without stone. In effect of the knowledge of lymphanic dissemination of infection has dissimable the suther is faith in simple dramage of the gall bladder or ducts as a cure-all fo but any and pancreatic infection. Recurrences are more common after dramage for umple cholecystits than calculus disease of gall bladder or ducts.

We have come to believe that the field of choicy stectionsy should be widened and that all gall bladders should be removed that show evidence of chronic infection, independent i obstruction, and particularly so if the pancreas is involved. Draus age of the common duct should never be omitted in connection with cholecystectomy Lemons Cross

Walter-Sallis, J Non Billiary Pancreatitis (Les pancreatites non biliaires) Res. de hir 19 4, slix, 446. By Journal de Chicurge

Con-biliary pancreatitis is rarer than the biliary form. Walter Salles has collected so cases amone 250 cases of pancreatitis of 20 per cent 34 were women and 16 men and it was found at all ages from 3 to 83 years. The bacteriology is variable it may be caused by typhoid malaria measles, scarlet fever pneumonia or mumps Pregnancy is an important etiological factor. Traumatism annular pancreas and upernumerary pancreas may be responsible Infection may be through the blood or is mph stream or may ascend through the duct There is a local reaction of the pancreatic tissue which may be perilobular intralobular or across In the interiobular form the islands of Langerhaus may be spared but in the intralobular sclerosis the internal secretion of the pancreas is affected and pancreatic diabetes results. The development is slow and insidious There is a mild diffuse pain with s feeling of fullness and weight and occasionally a crists of epigastric pain 2 or 3 hours after a meal A crists of pain may mark the beginning of the pancreatitis Fever nausca and vomiting accompany the attack which is followed by fat gue and prostration. The appetite decreases and the attacks gradually come closer together sometimes there is distention of the epigastrium and tension of the muscles of the abdomen and sometimes there is a t ansverse tumor immovable and not clearly defined The disease becomes progressively worse and death takes place from profound cachesia. Second ary pancreatitis may follow an picer of the stomath or duodenum In non-bihary pancreatitis the pancreas Leeps its normal volume and is not so hard as in bikary pancreatit s intrapancreat c ademias is rare digestive troubles are much less frequent but icterus is rare Sometimes there is d'arrhoes and hamophilia Pancreatic Insuff ciency may be dem onstrated by examination of the urine and feces. It may affect the gall passages and heer secondarily

Cancer sometimes complicates chronic pancreating. The treatment is surpost. Exploratory cubic omy is sometimes sufficient to cure e ity cases (it cases with 18 freo rise). Retrogancerate dranaghas some first it may be combined with pair-creationary in case of star guidation of the common bile-duct. There are many objections to partial pancreatectomy and nattern choledochottomy Gastro enterostomy is indicated annular pancreas (8 cases).

Stassoff B. Surgery of Stab Wounds of the Spieta, with Special Reference to Transplantation of Omeanim (Betr ge ur Churupe der Missteherleitraugen unter besonder Beruckschigung der sicherten N intransplant toop Bark M Chir 9 4 herzit 6 1 By Journal de Churupe

The author reports 9 cases of stab wounds of the apiren observed from 901 to 1913 and discusses such injuries in general. Solitary stab wounds of the spleca are rare in the great majority of cases they take place through the thorax rarely through the aldomen and the pleura and disphragm are usually injured. The spleca is most frequently injured when the external wound is in the region of the eighth might or tenth intercostal space.

The danguous is difficult because the general as well as the local symptoms may be caused by in puries of other abdomnal organs and by the in puries to the leave disphiration and even lung that frequently accompany them The prognosis in operative treatment is good the mortality being 18 5 per cent when there are also injuries of the plears and disphiragm but not of other abdomnal organs. It is unfavorable in conservative treat ment. The most frequent treatment is suture

thin tamponing, and lastly splenectomy In stab wound of the spleen an I small ruptures of the spleen the author recommends a combination f suture with transplantation of ome turn by Locky's m thod which gave good results in three of his nine cases Tamponade is not so good on account of the impossibility of completely closing the wound and the danger of injection of the fistula and of secondary harmorrhage. There are three possible methods of operation for injuries of the spicen laparotomy thoracolaparotomy that is thoracotomy and laparotomy and transpleural Transpleural laparotomy is the usual laparotomy method as it is simply a continuation of the exter nal wound In injuries from in front or where there are symptoms of intra abdominal hamorrhage or there is a suspicion of injury to other organs of the icft hypochondrium thoraculaparotomy sh uld be performed with Zeidler Krinhoff's incision which consists of section of the eighth minth and tenth costal cartilages incision of the diaphragm and a continuation downward along the external border of the left rectus muscle It is to be preferred to others because it is quicker and easier to make and gives such a large field for operation Olisian

SURGLRY OF THE EXTREMITILS

DISEASES OF THE BONES JOINTS, MUSCLES, TENDONS. CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

Chalaby F: Primary Ostcomy lit of the P tella (Lostcomy 61 | nmt d la rot 1) The d doct Toulouse 9.4 By Jurnal de Chrurg

The author describes a case of chronic osteomyclitio of the pail like with fixtures and sequestra shown by radiography. He reviews 2 cases I this rare disease, which is generally observed between the ages of 7 and 10 in the male ex. Fraumati in I tigue, and coll are contributing causes — bact rial asson I the pail lia the muchatic cause.

O c as of potenticio is of the pail lis de winded ly M tar and Loadan T the osteromy lt in we be actif or controlled the contr

The 1 1 ympt ms omm n to the ifferent form remaiform in f the ant morning of the kee par low hered to one post in the partella at grety of the knee post ind the posts in of the low 1 mb in attenuous.

The ar two implication possible one a print printing of the kine is comparate being the other positions as you when there is firm the lagmost cas of when there

re no intra or extra articular complications. Differential liagnosis must be made from parulent rithints of the knee osteomyelitis of the l wer und of the femur and isomitimes from acute rheumatic arthritis. If there are abscesses or fistule it may be difficult to make a listination from perarthritis, and acute or suppurati e hygroma especially a those two affections may core its with it.

The chronic forms must be distinguished from tettis caused by syphilis tuberculosis or porotri chosis ra liography will be of great value in this diagnosis

The only curait inclaiment is to attripate the incased bon In the partial if mis simple curet t go of the for sof uppuration my suff en the total form the past lia sho did be ramored sulper total after the past lia sho did be ramored sulper total form the past lia should be ramored sulper total form to make a sulper total form to sulperal tree timent. The results re good bett? Courves in a cel sample curtifiage b t satisf ctory also with right to if action in c seof total removal of the bone.

McClure C. R. Sacro-Iliae Traum tiams, both to all field 94 55 By 5 m (pre-2 tibe). The sa ro-iliae joints are true joints, but have been titll understood null ner mily and the uther lineuwest junes of the set in the first the refull nat meal description. The in 1 means also the set of description T in 1 means lassed of as () wench or [r ns (2) true lux time (1) milastion of loops.

Injuries I the heat type are caused by alight bl. ws. yels. or; lls. The pas which come on cut by its lost ted a th. lack and i frequently called lumbiago. Mem nits the back are decadedly limbiago in the lack are decadedly limbiago and the pan fit a t. nd. I wan the thigh

and leg. This trouble has long been mistaken for sciatica. Adhesive attapping of the back will afford reli I and effect a cure in a few wieks.

True luxation is rare and is only caused ly de uid diore. The accompanying pain is most severe the patient being completely intapactated movemants of the trunk belomen and thinks being almost impossible. In the examination, Y are is of much valu rectal exam nation is also of great add.

In the greatest number of secretine names to contain are related and loose. They struct the opposed less often annot they are less scate and the symptoms, are more lessing. They are also more difficult to treat. The patients have weak backs, set in a longing position stand askwarily and are obliged to help identified a from a string per time. By the aid of their arms. The author way that Coulds are thinks this condition is often a fore runner of absoluted from the condition is often a fore runner of absoluted from the condition is often as fore

Post-operative backache is due to a sagging of the sacrum wh le the muscles are relaxed the ligaments thus becoming stretched. The remedy is support under the hollow of the back bel re and after operation Long continue I positions I sitting standing stoop og to result in strain il gamenta. and loosened joints follon. The diagnosis is a follows. The normal lumbar cury is that ned the upper end of the sacrum is prominent pain is al ways present at the joint or neur it. There is tuin I will the course of the sciatic nurse like to pressure on sa tal pleases which crosses in front of the joints pressure all ne the nerve is paintess. In luxations a step-off is felt at the joint by means of rectal examination Mounting with the legs and thighs straight is painful Flexion of the thigh with the leg extended c uses pain Sciatica and lumbago ha e so I ng been the diagnosis and nationis have will red so much beard having t take quantities of medicine that all should family rarize themselves with these anditions

The progrouss in acrut penns is good bome for the chroin relast of case; rest iteratment for a long trate. Diagonal adheave trappings across the sacrum from one situe or at to the possibilities of the control of the

Mennet The Light and Irradiation Treatment of Surgical Tuberculosts (U Li ht od Arabien lack and g ler hrupache T bertukker) inth f physical Med and Trek & g 4 7 B) Zeuralli of dge than u Grangels.

liter a short review of ur kno ledge of and the theories in regard to the fix to f sunlight and the reactions produced by it in the right is in the author

points out that the results of helotherapy in surgical tubervulous are ear-flered even in the lealands and at moderate altitude, and recommends, as a supplement artifact little, and recommends are supplement artifacts. But altitude soul ght and the are loon are light. But altitude soul ght and the are loon are light. But altitude soul ght and are supplemented from the least supplemented from the little by entertiain the developed door, and the least substances in a valuable supplement to most subtraction or injection of servetting tuberous active substances is a valuable supplement to not active substances is a valuable supplement to not active substances is a valuable supplement to most generate most and the present substances are a valuable supplement to not active substances is a valuable supplement to not active substances in a valuable supplement to not active supplement to not

Chlumsky V : Treatm nt of Surgical Tuberculoule and Infected Wounda with Meshë if ther Mesblichanding bra hurupschet T berkulos ad l : Susri a W od a) / strath f Che qi a a ziyo | Ny Lentall Li get Chr u i Iorough

The author di Lutes the conclusions of Valorus in regard to Nesbe as h does not think they are justified I roser a y at he has used this remedy an I has treated almost 1,000 cases a that He used it in the form of a 20 per cent salve or a fl id for t jects n 20 parts M be to 100 parts glycerine Tuberculous tistule and a und are said to have ficaled owicker under this freatm of than so, oth (the results a re the best from the pectum of the elscenn mixture into col l'abserses. The author claims that Mesbe is not a pecific and that it is not only equal to but superior to, iodolorm a the treat ment of culd abserves. It was well borne be temperatures were almost never observed aft r the Diections

hin y Treatment of Tubercular Cystitis by injection of Lactic Bacilli (Francesci des cystics 1 In closes par les inject us des bacilles littiques) Hall et mim Su de lur de Per 1913 il occ litigary (Chruspe

Mariov repuris the re ults which this tre tim it has gis n in his service in the hands of his is ne to any who had the kas of ubstituting the ujection of cultures of Bulgaria bardlis in skimm of in it in the place of Letis and the their petuciation of which on curiain forms of external tuberculosus is ill linon.

lina) technique i ni folt s Bulganan lucific furnande l by the la a tu Instituti re-implanted a tubus f milk stenlined ut. These tubus are left in the use bastor 2 houses at 17 l at 5 cm of this preparation were ny ct of a reach pulpant the injections being repe ted three t nors par week.

Jo h case of tuber uber c) its in which this transment was uved there was m rk d improvement in all the 3 mpsorus etern when the pai mits full had tubercular la forgal in one patite (the result may be considered a rec. 7). Uarson a n that the flect of the injection of ha silt is a prolong the act on of the lactic and formed for annuant on

of the urine some days after the injections showed that bacilli were still present J DUNONT

G Imour A Hypertrophic Pulmonary Osteo-Arthropathy — Marie a Disease Ld b M J

1914 xit, 527 By S rg Gynec & Obst The author repo ts this case because it is rare to

ine author repo is this case perause it is rare to find it in so young a patient A boy 9 years old had had when 16 months of age

a toe amputated at the met tarsal phalangeal joint for disease at years had an exci ion of the right knee for tuberculosis developed a marked dorsal kyphosis shortly afterward and at 7 years had swellings of the wist and fingers, and a little later swellings of the andle and toes

He describes a hard bony swelling beginn: g at the lower third of the radius and ulna increasing toward the wrist a thrickning of metacarpia bones a marked clubbing of the terminal phalanges of the hands which was confined to the soft tissues and long curved nails. The lower extremities showed

simil r symptoms

He gives the theories of Marie and Bamberger as to the causation of the disease and the finding of Thorburn and Mexander of snall sed cases and couleds by saying that hype trophic p limonary outco-arthropathy is to be? und frequently associat of with diseases in which there is pust formation or breaking down of tessues with the retention of the ser tion and it would appear as if the condition was produced by a thront tozamit und hybert part of the control of the cont

Wolkowitzeh W. M. Spuntaneous Gangrene et the Lower E tremity and Its Relation to Scienosis of the vessels (Z. Frag. d. pontanen Lasogran der unt ren Extremitation und her B zieh ng. u. C. f. schlerose). Pr. bl. vr. ch. o. g. gu o. B. Zentrallik f. d. ges. Chr. u. Grugeb

The author reviews n condensed form the contents of has doct is those tation and t ies; if emonstrate by means of 45 case; 15 of which he gave detailed pathological anatomical examin tion that the embolt thrombis and it suse proliferations that cause spo tancous gangrens find a favorable soil seleros of the easel. The preponder nee of

sections of the execution of the low restricting to spatianed by the more uf orable mechanical notitions for the seeks of the log ar under the press r of blood column imost equal to the length of the man in r also ompressed and x1 aded by the fixar d tenuon f the knee which makes great doma do on their elasticity.

The place of chorc for occlu on of the cessal as the bufurcation of the popit al for here two vessel of qual size the post mor t bull and the personal of de t an ac te angle wh horms a rist directly n the middle i the blood stream. The solid particles has blood-cells fold of hirm and lumps of ba terms are carried to the cent of the street me they rebound from his creat

and may injure the wall of the cessel. The easily leads to scleross, which in turn causes occlusion of the essel either from thrombus formation or from proliferation of connective tissue. The occurrence of gangrene depends on how soon complete occlusion takes place and whether collateral blood passages have been established.

Lapo nte A. Rupture of the Articular Portion of the Long Tendon of th Biceps (Rupture du tendon du long hierps brachal dans as portion viscu laire) B il cimém Soc decè de P 1914 | 69 B J J trani de L'hrurge

Lanounte observed this lesion in a workman of 14 who had made a violent effort to hold a sack of cement we ghing 50 kg which he was carrying on his head. He left a sudden severe pain in the upper part of his left arm and could not continue his wo L After that he had had persistent pain in the arm and shoulder increased by any movement especially tlexion of the forearm and a decrease in muscular power which made it imposs ble f r him to work Regular massage did not bring about its improve The arm was clongated and on comparison with the left arm the e was seen to be a projection of the external part of the b caps and it was lowered tow rd the elbow The difference was about sem Between this projection and the lower part of the delt d there was a abnormal depression On flexio the intern I part of the biceps contracted but the external part projected till more \ diagnosis was made I rupture I the long tendon of the bicens at its union with the muscle This diagnosis was co firmed by operation which showed that the runture was a taarticular Lapointe did not think it necessary to open the junt to find the proxi mal end liter ha ing shortened the distal end a few centimeters he fixed it with four to a chromic atgut suture to the dges of a little capsular lut tonhole betwee the two tuberos ties Healing was by first intention by months after the ope atto the biceps in rmal as to position form nd trength. The patient is performing his work agam

I a articul rupture of the long tendon of the bicers is relat ly frequ I though it has ttracted Of 3 area of rupture colle ted little att ni o from the lit ratur is were int a articular In & ases the rupture was I cated by anterior fixal on ne r the art ulation nd all except one case th result a re-catus tors. One i i resting point is the relatio fruptu et dry arthritisof the shoulder joint Leids how thinks the arthrit's is the aure of the rupt re n ases th t are pparently traumat ic the t n ion has air ady been alt r d by discase Lapus t the ks this is an aggeration His patient was a igu ou man 343 ars ld with no signs of ribritis and the ruptu ed tendon presided perfectly norm I therefor he belie es that there is uch a thing as true tra matic rupture

SAVARIALD has had two cases I supture of the t nd n of th b eps O e was a supture of the

lower tendon common to the two parts of the la ens. He ful not perform any operation and the nationt who was a vigorous man regained normal function The second case was that of a workman who runtured the tendon of the long head He complained of loss of nower Operation showed the tendon very much elongated rather than ruptured. He fulled th tendon in the manner of an accordion and fixe I it to the ne ghboring parts. The result was good SOLLIGORN operated on a tyr cal case of rupture of the tendon of the breek in a vigorous man of 12 who ha I made a 11 lent affort in unloading pianos to he did not with to open the capsule he fixed the tendon to the coracobrachialis. He made a hale in the latter muscle passed the ruptured ten ! n through it from boh nd I rw nd carne I it around the muscle and passed it a second time through the ont se then he suture I st to the t ndinous portion if the muscle near the coracoid process. Recovery was uneventful and the functional result excellent I Dun T

Gassmann T: Study of Rick to (B strag ur I florichung d r Rach tos) \ hav I flybr: h f Zah h 1914 xz 144 By Centrallal d ges. Chir 1 (reac.cb.

The author found by comparative analytical chemical expressions that the proports in of calcium to be author to the control of
Brandea, M. Experim mal Study of the Time of Appearance of Ban. Atrophy Caused by Dissue (Lapenn on the Lat reu in nace the dn art father 1 inti to dar h I ki the bed at knochmarchy) four he of G b d ko t f 1 9 4 8 85 18 Learnth 1 d gen Ch u Creageb.

The auth rused the us cli of the rabbit to study bone atros hy H ut th \ hilles tendon and resected pr VI r w L thee was mark date phy wh he cl d both the pongs and compa t bone | trot d the out of the spongy bon niredu 1th rt x to 4 l x r thin a p per The t bia nith nt no bo es of the ankle were in fred also Er where th function was only pa to ils destroyed (plast r ast) trophy began y arly nd the gre to the degree of mactivity of the bon the like and more to not the atrophy I rum hi perim nt thathr is no different betw believes that th acute necrotic strophy of the bone and strophy from dis use The acute an I q ently trem d grt s f trophy observed in it mm tory additions n i joint diseases are to be attribut it the complete PRANCE HEIR. mactivity of the bone

katase A.: Experimental Calcification in Normal Attimals (I permentille V risiliung an grandea T re)
 Be t 8 path Inst. z alig P th 1914,
 I u 316
 By Zentralid f d. gra, Chr u. a. Grengeb

The author injected gunes pag and especially rabbits with different quantities of calcium allia subt tances by interpretably and after yaring persons of inne, sometimes as long as 125 days examined the different organ micro-copically for depositions of calcium. He found that in this way calof cation could be producted in many different organs, when there had been no persons abnormality of the tissues, and that the digree of calciuscation depended on the concentration and the quantity of calcium injected at once not on the number of my citions of the entire

amount given it was found further that there was a cursun relati in between the physiological calcium c at at of the lifferent organs and the frequency and intensity of the artificial calinication produced in them and that organs with a low physiological takum content we respectably di posed to depositions of calcium. The Midneys and intensine exerciced the action of the Midneys and intensine exerciced the calcium. The Midneys and intensine exerciced the theory of the control of the calcium of the Midney and the form of mail grant when the calcium of the

The author purposes to devote further study to the results in human pathology of these discoveries, especially the therapeutic effect of calcium salts in tulicrulosi. Ocasa Mexas.

Frenkel Tlasot II C. Traum the Disturbances in Nutrition of the Semilusar Bone of the Hand (Bestige or Irage des traumatischen Limlarungslorung des Di lunat in manus) Forische a d Geb d'Rusyen to 4 221, 326 By Zearalbid d ges. Char Grenegch.

The author discusses the post traumate changes in the scaphoid and semilians bones of the had first described and semilians to been of the had first described the semilians and so that the life of the work of the both and thirs. If reports two aces of such both and thirs if reports two aces of such both and thirs all reports two aces of such both surpical hint one of which was ope ated on One of the cases was in a 75 year-old made the other a 3 year-old about made who had had remained the hand. Alfert or no one had years

One of the cases was in a \$5,000 old most the solid said traums of the hand. After our makes who hall had traums of the hand. After our middle to the sometime to the sometime to the solid soli

These two cases correspond in ad details to typical ases of kienbock traumati malacia f the semi in ar hone. The onclusions re as follo s

1 That these two cases are typical cases of traumatic disease of the semilunar (hierhook's traumatic malacia Preiser's traumatic disturbance of nutrition)

3. The cases are to be classified with the 16 described by k-inchock on account of (c) the course of the disease which in one case was shown by the interty to be due to trauma and in the other there was probably a trauma unknown to the patient of the case
3 The theory first set forth by Preser in regard to the scapbod and later extended by Kenbock to the semilunar that there is a primary traumatic diaturbance in nutrition by rupture of the laganesis, and vessels followed by porosis and secondary fracture is verified by the climical and radiological symptomatology of the preceding cases of bone disease.

4 There is a certain parallelism so far as t au maine disturbance of nutrition is concerned betwee this disease of the sensituar and the so called kohler a disease of the scaphoid of the foot

BEA DIA

Dickson F D and Willerd D P The Results of

Joint Tuberculosi in a Series of Two Hundred Caues, Which Have Been under Observation for Five or More Years P M J o 4 in 724 B barr Gyace & Olst

D chaon and Willard repo t the results in 200 cases of joint tuberculosas which had been under been at n for five or more years. The three mun points of their in estigations were the percenting of total cures a comparison of the res its obtained by the different types of treatment and the value of hearty beginning of treatment after the onset of

The invaluent in the cases was consent to and control of test in bed for the act fecases with absolut measures of the diseased point. To fixation was se until to planing the paint into on a Braidin of fram with a nietnor wire plant modeled to the patient trust, a cases of tuber tiloss of the rune patient. Trust, a cases of tuber tiloss of the rune case the ni tor pi I being fa I and to the from the webby given by webby given by a being fa I and to the from the webby given by a banding to the part paradage.

The bar te and bronk cases we also treated be fixation platter of P racest or some typ of brat a wer used to brate a wer used to brate a were the best fixat possible be actual g a the cast or brace the possible beautiful g at the cast or brace the possible beautiful grant both affected on

The authors urge the importance of bri ging the

patients general health up to the best possible condition by carried leeding plenty of fresh air and sunlight and hygenic measures. In hospital cases the unportance of social service workers to keep track of the patients and see that they return at suntable intervals for treatment is emphasized and much of the improvement in results in thi class of cases noted in the last few years is seembed

The paper is largely tatistical and the results presented strongly support the conclusions of the

authors which are as follow

1 The results of the present combination of
conservative and hygienic treatment may be con

sidered as satisfactory

2. There can be no doubt that the early institution of treatment has a marked beneficial effect on prognosis as to deformity and as to ultimate

recovery
3 Results would indicate that the earl er in life

the onset the more favorable the prognosis
4 In the acute stages treatment in bed is the

most effici at remedy
5 1 rolonged sinus formation with mixed infection markedly favors the general distribution of

tion markedly favors the general distribution of the tuberculous process from the localized focus and increases the danger of a fatal termination 6 The strict enforcement of hygienic measures

dun g the whole course of the disease and the uper ision of the patient after lea ing the hospital are essential points in the treatment of joint tuberculous

Dyns F G Clinical and Experimental Results of Streptococic Infect one, with Special Reference to Arthritis and Its Treatment S g G) a > Obs 9 4 w 734

By burg Gynec & Obst.
The purpose of the e perments detailed in th

paper to show th failure of intra articular more tions in streptococci microism of the points. The org nisms used for the intravenous inject on of the e perimental an mals were recovered from the cryptis and cut surfaces of tonsil r moved from patients suff g with acre art cular rebeumat sm and and carditis. The igan ms were grown on agar fr twenty force h ur such then suspended in sait

solution and injected int accounts,
through we refine mall it protect certain joints
by the tra articular nigition of solutions of a per
cent i makin in giptorm. Next attempts were
made to protect erran nomath by the nates articular
maject no of o per cent noded from emission. Other
joint we nigition of oper cent noded from emission. Other
joint we nigition with per cet solutions of
sodium subjoint will be interactive and interactive
we made the same time as the interactive
more within

The res it in all cases were un formly the same fram by the njected jo is were always more severeity tracked by the streptococcus than the joints which had not been njected.

litempts a o th n made to protect the entire

favorable results

hey late at the same time that the intravenous inoculation was made. In every instance this gave only temporary relief joint inflammation and septicemia occurring.

Two clinical cases are cited showing the method of entrance of the streptococcus into the circulation. The author summarizes as follows

1 In each annual multiple suppurstive arthrois developed in from 24 to 72 hours, depending upon the amount of streptococu injected and this occurred regardless of whether attempts had been made to protect certain joint by injections of differ ent solutions, or to protect the entire annual by intravenous impetions of sodium salicylate.

2 Swelling and stiffness of the larger joints were noticed after 24 to 48 hours in all cases

3 It post-mortem thick purulent material was found in the joints which could be ser ped away leaving the synovial membrane dull and lusterless

Destruction of articular surfaces of bones, ingaments and cartilages may occur when the am mals do not succumb too early to streptococcuc septicemus.

5 Cultures from the heart a blood and from the pus from joints in the animals used gave pure cultures of streptococci

6 The greatest pathologic changes occurred in those joints in which attempts had been made to protect them by injections of formalin or iodoform

7 Intrav nous or intra-articuser injections of sodium salicylate in solutions as strong as 35 per cent have no permanent effect upon streptococcic ar thritis

8 Intra articular injections of solutions of for main in glycenne or indolorm emulsion do not protect the joints so treated o Aspiration of the pus and niection of anti-

o Aspiration of the pus and alection of any septic solutions after infection of a joint had taken place did not give favorable result in the animals injected intravenously with streptococci

Meisenbach R O: Pseudo-Arthronis Produced by Interposing Sheet Silk and Bayberry War. Am J Orth Surg 9 4 22 4 Gync & Obst

The author classifies nlylous first as real and second as apparent and believes that it is a residual outcome of a former disease. In apparent ankylous a fibrous union may or my not exast between bones the cartilage may o may not be attached

The \ray will show a line of demarcation between the bones b t clinically it is considered an ankylosis

In real ankylous, no lame of demarcation ensists, cartilages are destroyed and hony union as present there is attrophy and adhesions of the capsule and use proposed control that physiological function. He opinion is prepared common prepared control that physiological function is the proposed superpared control that the present of the

The fasca and muscle-flap interposition have their questionable results. To his mind the inter position of bay berry war upon the finest sill as a vehicle will prove the least irritant or objectionable, and will result in a greater hint of motion. A few chincal cases are reported with apparently

Brackett E. G : The Use of Iodoform Oil in Joints

Best If & S J 914 clir, 873

By Swg Gynec & Obst.

H W MALES

By Surg Gynec & Obst.

Brackett reports has technique for putting oil or other medicinal agents into joints also the proper

He lays especial stress on the technique emphasizing the fact that the open incision should all ays be used, because in this may only can a point be explored and all the adhesions properly freed. Also it gives an opportunity to obtain a specimen for microscopical examination and so beloud distribute.

selection of cases for this operation

The incision in the skin is usually on the inner side of the Luce in the form of a blunt clipse in the fascia a smaller ellipse in the opposite direction straight and shorter incision is made in the capsule about one half such from the border of the patella in the vertical direction of the limb. A specia statch as used to close the capsule - salk being used throughout A continuous suture is made, beginning at both ends and include g the fibrous portion of the capsule but not quite through the synovia thus making the synovia act as a valve. Two mattress sutures are used to close the middle of the increon The opening of one is placed above the incision and the second smaller on is enclosed by the first and its opening placed below. The syringe is inserted between the threads of the mner mattress, and the statches are drawn tight. The allows the oil to be put into the joint und r tension. It is the tension of the oil in the capsule which the writer believes is

of the greatest importance
Olive oil is used great care being taken to get a
pure neutral and free oil. The French oil is the
best. It is sterilized in boiling water for one-half
hour. Three and a half to four ounces are used in

n adult for t

Bracket urges especial care in the selection of

Bracket urges especial care in the selection of

Bracket urges especial care in the selection of

the cases of capsular invol ement of various types

of infecti and in stages in which there is no

invol ement of the srt cular surfaces. There are

two groups
Cases of old infection in which addressors have
been freed and it is desirable to keep the unfaces
apart (The use in these cases is largely mechanical)
2 Cases of infection () A ute infection in—
tester etc (b) tubercular 30 it is—early stage

and (c) chronic arthritis — selected cases

The procedure is not a substitute for arthroplasty
and is not applicable to cases | f disease of | ny origin
n which is \(\lambda \) ray shows in | terment of the artica

lar surfaces
In early tubercul cases the most marked ad

definite and resement occurs. The injections are repeated several times, at intervals of 8 to 12 weeks The procedure does not take the place of fixation and rest, but permanent fixation is not advisable LIGYD BROWN

Herri k W. P.: Massage and Movements for Corta n Affections of Muscles and Ligaments. Im J Sug 1914 x By Surg Gynec, & Obst

If rock thinks that massage and passive move ments are ry valuable for such cond tions as

I Traumat am of ligaments and muscles, under which he considers (a) contusions (b) ruptured muscle tibers (c) myositis and (d) prains,

In contusion gentle centrifugal troking dulls sensation and prevents congestion and swelling He cites a few cases in which this treatment sceming ly d m aished the time of cure ery materially

In prains the effusions in joints react wonder fully to massage especially of the smuller joints such as the wrist ankles, elbow and phalunges

2 Disturbed function and nutrition f muscles as in fat gue Locally as in weak foot or flat foot and in curvature

t Di turbed inner ation of muscles as in locomotor staxia and ant rior poliomy | tis

He considers acute infects in the only contra indication. His con lusions are as follow I Increase nutrition and funct on are essential

to the cure of many affections of muscles and I ga ments

2 In obviating deform ty interference with function should be a or led t Massage and mos ment re mportant aids to these and a d should be much more generally

used b surgions

FRACTURES AND DISLOCATIONS

HEN I J VAND BERL

Ross G G Fracture of the Surgical Neck of the Humerus. F WJ 0 4 11 695 B) Surg Gynec & Olist

Facture f the urgical neck f the humeru are or tic By Iways the r sult of ternal violence and rely due t muscula actio The factue is must put to or urw the the lbow fixed and the force sent I drutly on the shulde or by freible bi ton of the lbow with the shoulder held rigid The iclo mity p oduced is occasionally the res it of the I ree produ ing the trauma but a most frequent ly due t muscular action therefore a minute knowledge of the an tomy of the sh uld is nec s s ry for prope underst sds g of the conditio and u essful duction a d fization I this fract re the typical delo m ty i abduction

poor fr gm t by the s praspinatu and outs d rot tion and flexion by the i fraspinatus nd ter mino The lower f agment is draws in a dly the l tusimus the pect ralis major and the ad no d ad f re rd ato the axilla by the beps care bushs treeps and ditend

If the fracture is impacted this deformity does not exist to the same extent

's complications fracture of the tuberosities occurred in 17 8 per cent of the author's cases and luxation of the head in 3 57 per cent in one series and 8 25 per cent in another The latter is the most troublesome of all complications of the fracture under consideration

The fracture is most common in middle and old age but 13 3 jur cent of Ross cases were under 16 years of age Lyaphy cal separation is more likely

to occur in children

In the treatment of sample fractures Ross con siders the \ ray of great importance to confirm the diagnous and guide the treatment throughout impact al fractures the impaction is not to be broken up unless the fragments are in bad position all that is necessary is to keep the arm suspended by a sling from the wn t In the ord pary fracture reduction a ecured by extension and abduction when as a rule the fracture will remain in good position when the arm is brought down to the side Ross con st lers that the best results are secured when exten sion is ad le i to the older method of dressing of binding the arm to the side with a shoulder-cap and pad n the axill The extens on may be secured in various ways but best by Buck's extension with a we ght of four r five pounds suspended from the This treatment causes some liscomfort at first and the patient should sleep in an armless chair but the excellent results compensate for this cases where t is necessary to combine extension and abductio some form f apparatus such as that de igned by Middledorpf Von Hacker Osgood and I enhallow can be use I this combination is only necessary when there is marked abduction of the upper (agment I laster may be used as dressing combined with extension if desired

Ross considers operation necessary but rarely acept in compose d fractures it is required most frequently when the lower fragment is displaced to the outer side Fracture complicated by complete luxation of the head requires ope ation for replace d fixatio pa tial luxations frequently disappe r under extension Involvement of the tuberosities prese ts no special problem

FRANK D DICKSO

her A. Lat Paralysis of the Ulnar Nerve-Following Fractures of the External Condyle of the llumerus (P ralyses tardi es d'erf ub tal à la mie des fract re d'condyle externe de l'humérus) Jd ch B) Surg Gynec & Olest

Mouchet ha had 7 cases of paralysis of the plass n ve coming on at periods arying from 5 to 27 years after a fracture of the external condy le of the humerus He ga es case histories of four of these patients three of whom he operated upo

In all the cases there had been a fracture of the e ternal co dyle in infancy or early childhood The aternal condyle a pushed upward and t

rophied. The fracture surface turns outward and forms a projection which can be seen planly. In almost all cases a callus permeable to the \(\lambda \) ray is formed between the fragment and the rest of the humerus. The ascent of the external condule and the change in the hine of saturchaton atters the position of the observation bringing it nearer to the position of the observation bringing it nearer to the observation of the physiological corrying angle (cubrius wilgus). In the normal condition the angle between the arm of the arm and that of the foreign and out it of the arm and that of the foreign and the observation of the properties of the condition of the arm and that of the foreign as hour it of the arm and that of the foreign as hour it of the arm and that of the foreign as position and the tensus on the hence evential position and the tensus on the hence evential.

develops. The fracture may have occurred solonglefore that the patient has forpotten it and varous mutaken diagnoses are made. Whenever there are symptoms of neurits of the ulars zeroe and the cause is not known an examination should be made for evidence of an old trauma. Rediographic examination will she with degree of paralysis and the prognos.

The author treats these cases by supracondulod caned rm susceionsy of the h merus II the external condule projects too much it is prev ously extrapted through a small microso 1½ to z cm long oner is external surface. It is easily removed by a blow with the chiest. The sound in closed the conduction of the conduction



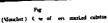




Fig (Mouchet) Sam case fter operat ectson of the butus byu



Fig 3 Mouchet) Diagram showing the tension of the laar ers er the ternal edg of the olerranon in the cubittle valgus following fractures f the external condule.

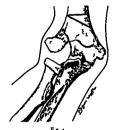
humerus is inteed perpendicular to the prolonga tion of the axis of the forearm and a thumb a breadth above the inten I condyle A second incision is made perpendicta to the axis of the diaphysis so that a wedge of one is removed just large enough to correct the post on of the arm. The fracture is ompleted with the hands. To mm bilize the humerus t is simply fressed with a Velpeau bandage The skin is sutured athout dramage \o attempt is made to see or touch the nerve The correction of positio r m the source of protation and recovery fodo s In the autho cases pain disap peared at once and the curitis improved r midly The com leteness of the recovery depends on the extent towhich the ner e las been affected

A Gow

Mauche A. Congen tal Di aton of the Scaphold of te Winst S mulat ng Fracture (D visson congnale d scapholde carpien umulant un fracture \viculare carpi biparitium) Rev d oribop 9 4 By Journal de Chrurgie

Mothet publi hes a case of congenital duplication c the scaphoid of the wrist a d reviews th histor of this nomaly in bone form t on that is little nown in F nce

Hickse was the for jouing ma. If go who came to those tail for co tused wound of the leg in at course of the command to the manation there was noted a symetrical anomaly of the hods has cell rared by see ring finge being longer than the middle fing in the jose. I host ease of the second pha lams of the under middle dittle fingers. The freshowed marked hortness of the second pha



Fg 4 (Mouchet) Supracondyloid cunciform ostet my f the humerus

langes of the second third fourth and fifth toes on both sides Radiographs showed that the anparent elongation of the ring finger was due to the fact that its second phalanx was of normal length while there was congenital sh tness of the second phalanges of the other fingers. The articular ca tilages were not visible and ossification scemed to be complete. The radiographs also showed an n tomical peculiarity of the left carpus The scaphoid was d'aded into two portions at its neck th scaphoid on the external side articulated with the trapezous the trapezoid and the os magnum that on the 1 ternal side with the rad us the semilu nd the os magnum. The young man had neve had a traum tism of the left upper himb Moreover the absence of protuberances or bony rregularities the atrophy of the internal scaphoid nd the appeara ce of the line of separation which resembled aln f ticulatio rather than a line of fractur all dicated that it was a co genital anomaly of the b ne and this supposition was ren dered more probable by the concomitant shortness

of th figers and toes

The bipartite scaphood of vided into radial and
ulan scaphood has been described by Wennel
Curbe Struthers Pittars "Wolff a of Schulz
it is probably of lack of flus not the two points
it is proportion of of spe ce t and Thienaus in a
repoportion of 3 pp ce t 1 Th austence of th
repoportion of 3 pp ce t 1 Th austence of th
many matche diagrammed nort to avoid
in ling matche diagrammed nort to avoid
in ling matche of the structure of the
scaphood 1 and mutual radial response
imple contusion of the writt II it is presente
imple contission of the writt II it is presented
associated with othe anomabes f bone it is asily
diagnosed but fit is undat ral as is generally the
case careful chinnel and rad ological examinat n

is necessary Biparitie scaphoid may be diagnosed from the insignificance of the trauma the absence of physical s gas an I functional disturbance the lack of displacement of the two parts of the scaphoid the clearness of the line of separation and the smooth ness of the surfacts.

ARER MOCENT

Sabin C. G Fractures of the Pel is, with Report of Cases. Vorin. 1 Urd 19 4 59. By burg Gynec. & Obst

I cloic fractures receive little space in standard works which Sohn believes a wrong considering the high immediate mortal by and the complications due to serous injury to soft parts: The various arches which enter into the architecture of the pelvis and the strength of the lagrantis form a part of the Architecture of the pelvis which is the period of the complete form a part of the Architecture of the pelvis of the period of the pe

According to the violence and the direction of application a variety of combinations of fractures. displacements, ad injury to soft parts results. The diagnosis is gen rally easy but great bruising of the soft parts interferes with it at times or some other severe injury may lirect attention elsewhere. Breaks of the crest perm t walking and are easily recog nized There may be little crepitus. As the patient is often n shock, great care should be used in secking crepitus points of fixed pain hould be looked for flexion f thighs is often painless but pushing r p lling in the long axis is likely to be painf l. Frac ture of the floor or posterior edge f the acetabulum usually requires the A ray for diagnosis as to the extent of haplacement and position. The pelvic ring may be broken by a force laterally or from front to back but the break is usually vertical and in front or behind Commonly fractures of single bones re those of the crest or some of the dium A most common rupture of the ring is a fro t to back force driving in the central portion of the pubis The force continued may cause a break between the sacrum and the thum on one or both sides

The serious a pects of pelvic fractures are miuries of the bladder urethra rectum pelvic essels and nerves, and often ut of proportion to the displacement Ruptu e of a full bladder may occur away from the point of bony contact Prog nous is hard to go e depending much on the amount f I mry to the iscura and the promptness efficient treatment. The author comments on the remarkable brevity of the literature on treat ment In the sample fractures three or fo r weeks in hed effects cure Most writers dvise a firm pelvic band ge if the fracture breaks through the ring but the autho doubts that some of them ever tried t He found that I increased the pain greatly and did no good - in one case it actually in creased the deformity The best support was a Bradford frame with the canvas not too tight so the trough formed by the body would exert a slight side-to-side pressure in the pel is Extension and counter extension n be used if needed With a

frame there is no movement of pelvis in using the bed pan. Filing the bladder with water to deter mine rupture of urether, it to be condemned. In juries to viscera should receive careful and immediate attention. Right interesting cases, and their treat ment are briefly described.

Estes, W L.: Compound Fractures of the Bones of the Extremities. J in M Arr 9 4, lar 1869 By Surg Gynec & Olst.

Lates gives his personal experience and value be singestions regarding 2,050 inciture. So of wach acre compound The treatment is considered indet the following bandings (i) Flits and (i) permisent treatment (a) embracing picual considerations (b) and as to results. The first and suggestions in chiefe a general gauge (i the patient's condumn packing with their game. He does not not the tourniquet and makes in effort to set the bones at thus stage of the treatment.

Regarding special considerations under the heading Permanent Ter timent he considers the india iduality of the patient, his conviniment and the actual condition of the injured nember II recommends a general anasthetic for-examination for disinfecting the injured part is dries with heazane other or turpentine and alcool, then punts

with iodine.

Conditions determining amp tation rather than attempts at conservation are

If the skin has been so croshed or lacerated that it is evident that at least thee-quarters of the periphery of or the fracture wil slough, and the muscles beneath are badly lacerated or commiss ted, amoutation will be inevitable.

If there has been a circular or annular destructive pressure on the whole perphary of the l mb at the sate of the fracture or very near it—mp t tion

sail be necessary

3 If an a case f compand fracture with a senous annular faceration of the skin the subjace t nuscles are badly communited, it will be best to imputate

If the many has been produced by transnoon pressure as of a car heel or heavy pullars i mon or steel, the limb may ha e the k n of it while perphery or nearty L of it killed but not dt led, but he muscles beneak w il be torn across and he bone

commuted S ch univer require amputabo
5. If the man blood essels are c m acrod the
irregularly jagged w y common in these flures,
amp tation will be necessary. Neither anastinoses
n r transplants of blood-a essels will ucceed it
the case of unione. The hererthon of one of thehad
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6 If the bone or hones are communited so at the fragments are loose and deprived of perioster of the abalt the trether with the lart as of m ar and had front in subcases will be re upstate a lie ad out tech taat m d the I greent be plates white a steel like de corld what r are s and believes the abract nteletin apailfrates to the hattes prints the lase il tes the best f til se care tur ber be believe in any ar tall town Inti-I fl t l lessys Il number i sors

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Walters, C.F. Autoplastic Intr. medullary Bane-Pegging as a M. thool of Oper ti. Treatment for Fractures. J. J. M. C.C. J. 4

it to taster of a 4b thy

After reduction immobilization is necessary but this must be shortened to prevent stiffness. Two months is the minimum three the maximum even for older children The position is on degrees flexion and oo degrees abduction no rotation. After this first period of immobilization an adjustable appara tus is applied which maintains abduction and flexion and nermits the nationt to walk. This is worn from four to six months and then is removed giving the nationt complete liberty A perfect gait is restored in from six months to two years in some cases others may require three to five years and still others may never have complete restoration of function because of conditions due to age. The anatomic results secured by this treatment have been about W I CLIRK 07 per cent rures

Hardollin P r Clinical and Experimental Study of Traumatic Backward Luzations of the knee (Etude cliniq et experim rula sur les luzations traumatiques du graou en arrière) Rer d'chi 044 zitz, 137 By Journal de Charurne

harce the publication of Malaganese activates where the publication of Malaganese activates the Marchae Marcha

in Concomitant lustation of the fibula on the this is frequent in critan of these forms while incomplete backward justation with integrity of the anterior possible. Livin complete Justation has seemed possible in some cases without great dis second possible in some cases without great dis placement. Generally the anterior cruzal lagament is torn from its pernosteal attachment and elo gateful fuziation backward is impossible with integrity of the anterior and posterior cruza. It ligaments Autophys amputation of operation has made direct study of the lessoms possible in 7 caves. In 12 cases there was direct to Award Justition access possible in the contract of the

The crucial ligaments are often ruptured. This was noted in cases out 1 rs of complete luxation in a total of op published cases there has a been 64 direct backward luxations 17 of their complete 22 incomplete and 5 not specified luxations hack ward and outward 1 backward and mward 3 by external rotation 1. Leaons

of the extremutes of the neghborus pones are risk, trely infrequent vascular fenous are very frequent skin wounds are rare. Dusplacements from mineral causes, work as adden arrest of the entended leg or suspension are not rare. Dusplacements by rotation result from i rocd torsion of the leg. The kine is large shown hemasthrosis and is increased in its anterioposterior diameter. Bayonet shaped deformally in Characteristic. Spontassis to varying degree being the rule of the properties of the control of the contro

In complete luxation there is shortening. The immediate complications are opening of the joint fractures ruptures of the vessels, and thrombons The late results are stiffening of the joint and limitation of motion sometimes exaggerated flactidity or recurrent luxations. The differential diagnosis. which is generally easy must be made from fractures of the upper extremity of the tibia or of the lower extremity of the femur As rapid reduction as possible abould be made to avoid pressure on vessels and nerves General angesthesis is necessary In general the results are satisf ctory often even extellent. Old preducible dislocations peressitate operation. Among the compleations runt to of the vessels is the most senous and thus far t has been treated only by amoutation perhaps, in the future auture of the vessels will be attempted. The treatment of late complications vanes with the nature of the complication I ORINGAG

SURGERY OF THE BONES, JOINTS, ETC.

Hughes B: The Complications and Treatment of Compound Fractures. Cf J 914, xl 11, 397 By Surg Gynec & Obst

From the point of view of treatment compound fractures may be divided into three classes 1 Those of dight seventy in which there is a

small skin opening the bones not protruding and not visible

Those of med um sevent) with considerable

2 Those of med um severif) with considerance external opening the fractured ends not protruding but visible the displacement being small 3 Severe compound fractures, both those in

3 Severe compound fractures, both those in volving and those not in lying joints. Bone protruding through the sain, stripped operasterm and u ually soiled the latter depending upon the I callay where the pury w a rece ed. A nother class includes fractures of ho es nor

4 Another class includes fractures of ho es nor mally situated close t mucous m mbranes. These are unfavorable o acco t of the organisms nor mally prese t

Repair in compound fractures is sually alo it and the amount of callul itses than in ample fractures, possibly due to wider separat oney to stripping of the periodicum II sephes is present it naturally prolongs the process fundon. The thor has n vesen fat embolism as a complication in those cases where it was supposed to be present at proved to be some their conditions.

Teta us may occur in case, subjected to road

so ling though it is not common and all these should be given antitetanic scrum

The main complication is sepsis. With it convolescence is slow muscles and other tissues are involved sequestra are formed the periosteum becomes fibrous, its power of bone regeneration lessened and the utility of the leg is wrought impaired.

In all cases a wad of cotton soaked in carbolic acid (1 20) or a strong antiseptic is placed over the wound The patient is anasthetized the clothing removed and the skin about the wound is cleansed

The two principles to be remembered are (1) prevention of further infection of the wound (2) elimination of whitever infection is present

If the fracture is of the first class the wound is thoroughly disnficted with Lister's strong lotton composed of equal parts of 1 20 carbolic acid and 1 300 corrosive sublimate. The fracture is reduced the akin about the wound is accised as an all classes and the wound closed. The limb is put in eql nts and the patient put to bed with the key middle.

In the second class the wound is irrigated and dried the bone sponged with pure carbolic acid and washed with saline solution the ends of the bone are brought together and the pernosteum drawn over the fracture by casgut The skin is sutured and dimange anale through as in Expendical coping its This personated bridge seems very successful for the property of the personate with the property and t

In class three, the protru hing inds of the bone are thoroughly cl. in d and may be acrubbed with Lasters in ture. If the ends are ery durty they my be cut off and touched with pure c rholic acid. The w und is not rect of and the skin and tissue cut away and t rhazed. The bones are then brought touch tr and bridged with personatum

The wound is closed and treated as abo e In those cases in whi is there was suppuration the infection was m li The most common organisms found white the modification of the most common organisms stabphylococcus libu 1 g hiplococcu sami lar to the on f n i n pp rinca al colaris and the bacillus oli mm in When suppurati p

peared the 11 h we removed A that wa
applied and th wound wt hel out daily with per
rade and st rik value, sol ton In all thuse
cases an aut genou the was used. The re
sults were m t grat fy ng II intestnal sta is
was pr van an not. t lant septu was green

was prean the wind has haled any massage should be used to print u non

Dialectes sho II lways be thought f nd a Wasse mann mud as a routine II syphilis is present ant phit treatment should at one be assituted. An ea O Renty

Clarke J.J. Open Operations in the Treatment of Fractures and Dislocations. L. M. R. 9.4 450 By Surg. Cypec & Obst.

In ma y case of rece t simple fracture by oper tion go the best result. I pproaching

the subject it is best to make an anatomical subdivision as follows

r Fractures involving joint cavities including

some epiphyseal separations.

2 I ractures close to joints including most epiphyseal separations and injuries to the carpus

and tarsus
3 I ractures of the shafts of the long bones

4 Fractures of the flat bones 5 Fractures of the bones and skull face or of

In all operations the technique should be perfect and the assistants should be well trained and ade quate Recently with improved technique early operation has become more gueral. The sooner the operation is performed the sooner can massage and

operation has become more general. The sooner the operation is performed, the sooner can masage and mo ement be begun. This branch of operative surgery demands a vast array of important technical details. The details

array of important technical details. The details used in the fracture of the pattella are illu trated by the author. Unon without operation is difficult because the soft parts fall between the fragments of the soft parts of the part is a considerable of the part is a conside

When epiphyseal artilage is present in the neighborhood of a fracture t should not be in-lived in any metal apparatus. I sail, suttree is usually sufferent if a plate must be used it should be remo das soon as union; firm to avoid int rf ren e with growth.

Rupture of the patellar ligament or the quadri

Other knee joint 1 juries that call for pen peration re

Di place I semil n r cartilage in which the ness n i best made on the inner side back f the patella thus allowing access to both cartil ges

patella thus allowing access to both cartil ges
2 D slocation of the knee with laceration of the

In tears of the cual ligaments the joint is opened by a riccal phitty gof the pat lia and the ligaments are sutured. A separated pane of the tib is secured by ser wing beparation of the lor puphy softher mur or of the haft above it may not do be pried into place.

D docat of the pat lia may need ut e of the

After reduction ammobilization is necessary but this must be shortened to prevent stiffness. months is the minimum three the maximum even for older children The position is on devrees flerion and on degrees abduction no rotation first period of immobilization an adjustable apparatus is applied which maintains abduction and flexion an I permit the patient to walk. This is worn from four to six months and then is removed evens the patient complete liberty. A perfect gait is restored in from six months to two years in some cases others may require three to five years, and still others may never have complete restoration of function because of conditions due to age. The anat mic results secured by this treatment has been about W I CLUS of her cent fures

Hardottin P Clinical and Experimental Study of Traumatic Backward Luxations of the Anes (Etude limique et experime tale ur les l'rations tra matiques du genou a mère) Rer d à r 1914 3hx, 327 By I urnal de Chirure

Since the publication of Malgaignes 12 cases Hardotin has found 17 new cases in France and enough in the foreign literature to bring the new cases up to 79 He divides them into (1) direct luxation complete or incomplete (2) luxations backward and outward (3) luxations backward and inward (4) luxations backward with rotation He discusses the experimental work of other authors and describes his own lie has been able to reproduce experimentally all the forms of backward luxation found thincally and on the cadaver be has found that luxation backward was possible with the preservation of a certain number of ligaments intact or at least only slightly injured especially with preservation of the or both of the lateral liga-

Concomitant luxation of the fibula on the tibia is frequent in certain of these forms while incomplete backward luxation with integrity of the anterior ligament is possible. Lven complete luxation has seemed possible in some cases without great displacement Generally the antenor crucial ligament is torn from its periosteal attachment and elongated Luxation backward is impossible with integrity of the anterior and posterior crucial ligament. Autop. sy amputation or operation has made a di ect study of the lesions possible in 27 cases. In 13 case, there was direct be kward luxation in 3 cases luxation backward and outward in 6 cases luxation accom panied by external rotation in one case rotation inwards, and in 12 cases there were lesions of the popultes! vessels which necessit ted remo al when de th did not occur before operat on

The cruci I ligam ats are often ruptured. This was noted in I cases out of 12 of complete hixatio In a total of 93 published cases there have been 64 direct backward ! sations 27 of them complete 22 incomplete a d 15 not specified luxations back ward and utward 11 backward and inward 3 by external rot tion 14 by 1 ternal rotation 1 Lesions

of the extremities of the neighboring hones are relatively infrequent vascular lesions are very frequent skin wounds are rare Displacements from indirect causes such as sudden arrest of the extended les or suspension are not rare. Displacements by rotation result from forced torsion of the leg. The knee is large shows harmarthrous and is increased in its anteroposterior diameter Bayonet shaped de formity is characteristic Spontaneous motion is impossible abnormal movements to varying degrees being the rule In complete luxation there is shortening The

immediate complications are pening of the joint,

fractures ruptures of the ressels, and thrombosis The late results are stiffening of the joint and limits tion of motion sometimes exaggerated flaculity or recurrent luxations The differential diagnosu which is generally easy must be made from fractures of the upper extremity of the tibia or of the lower attempty of the I mur. As rapid reduction as and nerves Ceneral anaesthesia is necessary In general the results are satisfactory often even excellent Old preducible dislocations procesuate operation. Among the complications rupture of the sessels is the most senous and thus far it has been treated only by amoutation perhaps in the future suture of the vessels will be attempted. The treatment of late complications varies with th nature of the complication f Our care

SURGERY OF THE BONES, JOINTS, ETC.

Hughes, B.: The Complications and Treatment of Cl J 014, xl us 397 By Surg Gynec & Obst Compo nd Fractures Cl

from the point of view of treatment, compound fractures may be divided into three classes

I Those of slight seventy in which there is a small skin pening the bones not protruding and not visible 2 Those of medium seventy with considerable

external opening the fractured ends not protruding but a suble the displacement being m ll 3 Severe compound fractures, both those m-

volving nd those not inv lving joints. Bone protruding through the skin stripped of periosteum and usually soiled the latter depending upon the locality where the injury was received snoth r class and des f act res of bones nor

m lly ituated close to m cou membranes These are unfavorable on account of the organizate nor mally present Repair in compound fr ctures usually slower

and the amount of callus less than in simple fractures possibly du to wider separation or tostripping of the periodeum If seps s is present it naturally prolongs the process of umon Th who has new t seen fat embolism as a complication i those cases wher it was supposed to be present it proved t be some other to dition

T tanus may occur in cases bjected t road

Two of the 101 fractures of the patella were not operated on In one of these the two fragments were separated but slightly and the tendinou expansion of the vastus muscle had not been torn lidhean e plaster held the fragments together with satisfactors result.

When operation was the method of treatment it was usually performed 48 hours after the injury A curved incision was used and the flap which included the Lin and all structures to the patella tendon was dissected down to the lower edge of the natella giving a good exposure of the fracture joint and the t ar extending down on either side of the joint through the tendinous e pansion of the vastus muscle. All soft tissue which had fallen between the fragments was removed the edges freshened the rents in the lateral portion of the capsule repaired and the posterior edges of the frac ture brought together Mattress sutures were placed crosswise through the putella tendon above the upper fracture and carried across the tendon below the lower fracture Delatour believes th of this is to tal the strain from the trans er-e line of sutures during the reco ery from the anasthetic when the great quadraceps muscle contracts hnal row of sutures is placed in the anterior lay r

f the tendinous pansi over the bone The plaste cast is partly remo ed aft ten days when the patella is massaged. Uter three weeks the joint get passi e moti n th cast is discarded at night but a posterior splint 1 continued while walking for at least three month The results as reported are as f ll w In og instances the fracture was exposed an i sutured h e useful joints but with limited mot n I orty four have dexion to at least a right a gle ind have perfectly useful joints. The remainder he not been traced but Il had m tion to a least a d grees at the tim of leaving the hospital II B THOMAS

D r nd rct w th diff rent methods of amput ton practiced by French su gross II mentions several methods f ntert real disarticul 1 n that may be used in case lasfares a amputal n is mossible on account of lessons of the bone or in purses to the soft part disarticulation front of the scaphoid and bond Bonas districulation front of the scaphoid and bond Bonas districulation which removes the project in part of the cuboid and disarticulation 1 fr t f the scaphoid and os calcia.

The result in these three operations are about the same as in Lisfance and do not give rise to the deformities the too frequently follow Chopars: a map tation. But the tertarial disastriculation has not regamed in the past I we years what it had previously lost. Indication for it are r e not to mutilating oper tons and many authors hold that the operain as that sarrafice more give stump that

can be more readily utilized in prosthesis. Operations that sacrifice a part of the posterior tarsus such as the subastragaloid and Ricard's seem more satisfactory and after them the osteoplastic operations—le I saquer's Lefort's and lastly Progod's

Thousarsal disarticulation by Ollier's subperious method gives very remarkable results. It is frequently indicated and often it is the only one possible. The small amount of shin demanded and the total sacrifice of the tarsus which his so often disassed or suspected of tuberculous cause Symes and Roux operations to be practiced more frequently than any other amputation of the foot. This tibiotarsal disarticulation gives functional results equal to those of the osteroplastic amputation of the tarsus, and not inferior to those of Ricards and the subsatiragioud operation. If the extent or the nature of the leasons cause the surgeon to heatate it is better to select the ranked operation which gives greater centantly of recovery, sulfount the results of the results of the results of the results of the results.

Geiger C The Electric Drill Saw Reamer and Trephine in Bone Surgery Surg Gynca S Ob 1 19 4 xt 763 By Surg Gynca & Obst

The author says that the old crude methods of employ at the basel hammer and hand drill are unscensible procedures requiring too much valuable time and exhausting the patient. With the electric circ is saw the author removes bone grafts varying from two to ten unche in leight. Bone grafts cut in this manner are used in Pott's dhease and ununted fractures in place of Lane plates. The gafts are usually taken from the thus. By the use of this method there is a minimum of handling manipulating and trauma which lessens infection in bone graftice.

Holding the motor by means of the hand piece the cable which usually conveys the power from the motor to the instrument us supplanted. The cable is always in the way and if bent at an acute angle while runns g it generates heat and its action is retarded. After inserting any of the interchangeable instruments the operator has a steady and absolute control of his bow work.

In mastoid and cranial w rk it does away with the jarring ad concussion by hammering

The complete set consists of one motor one sten lizer two drills two burrs two saws with mandrels o e trephine and one or mal saw.

This instrument was tried out by Murphy during

the Chucal Cong ess of the Surgeons of Aonth America, Avorember 13, 1013 and he states Thus is a first class device and by the use of this the stot instruments—replane Cranial saw burr and drills—ne simplify and moderance bone surgery also reduce the time and labor essential factors in this important branch of work. The great power and efficiency of the small instrument as a motor saw lettine of all camer in direplane, deserve the high est commendation of the understanding the same of the same Young T G. Surgery of Bones and Joints. Calf Edect M J 1914 vit 110. By Surg Gyace & Ob t

The author gives his views in reference to the selection of fractures for open and non-operative treatment with his own and others idear garding the technique desimble in various cases. He also discusses briefly discusse of the kno-tojuit

lichering that there is no subject in medicine of more widespread interest than that of fractures, the author gives A-ray work credit for stimulating the practitioner in careful hagnosis and treatment and Lane credit for the enormous impetus given the treatment of fractures by means of the steel plate Young however makes a plea for common sense treatment for many fractures e necessity those near toints, in which cases he thinks the open operation is wholly uncalled for He believes that ordinary urgical asensis is not sufficient for bone surgery very tissue mu t be handled with forceps and not by the gloved hand \o sponge sh uld be applied to the wound the second time. The skin surface should be protected by folded gauge or towels satu rated with a normal salt solution and the wound

load with k n clps.

Comment is made ngarding bose grafting and
he believes that those who attempt it should be
pedly methanical and have a complete under
pedly methanical and have a complete under
methanical companies of the complete of the complete of the companies of trail
ment considered lists orthopodis, or mechanical
means vectord pin operative methods accompanied
by orthopodis, pilaners: He believes that in
simous unto the knee; nut do not necessarily leave
a stiff joint and tecrethes the coloring armopen
a stiff joint and tecrethes the coloring armopen
and the coloring armopen.

Seasmith G H Bone and Joint Surgery J M Soc \ J 9 4 1 7 By Surg G) ner & Obst

Sexamith says bone and joint surgry has met with much crit in because of the after results of operations and the liability to legal entanglements. Too many physician wh have not had sufficient experience undertal, cases which they are not bit it is in white in abdominal urgery no one would

attempt its practice without thorough training. With our present in wiedge fractures and luxations must be treat. I by applying proper mechanical knowledge in rif to get good functional results, and not marely correction of the anatomy.

In regard to the Lane plate he says, except where it is bisolutely necessary to join fragments it is generally bett to us the old fashioned plant thus a di g chanc infection. In using plates or grafts it butter t wait o or 12 days so as to allow the treduce to hal thus preventing germ

In a simple fracture th re is not much danger but in a compound if acture! Is on the diamb are endangered In treating compound fract re unnecessary examinations, and learning as it is usually die should be a olded. If the won dis contaminated

with oil, it should be removed with bennine. Indice is planted about the wound and loose bones or bruised insue are removed with natruments Silkworm gut or househalf are used to sulture wound edger. A per cent carbolised gause dressing a applied and not removed for to days. Any new itemperature over 48 hours calls for drainage. If the shitches are removed indine is poured into the wound and packed, with gause. If the A ray is we sound and packed, with gause. If the A ray is we sound and packed, with gause.

bad apposition, splints or grafts may be accessory.

Seasouth thinks that the bone-graft in non unon of fractures is better than the Lane plate or sulf lie has found in non unon of the long bones of the leg that by the use of a leather brace and ambultion good unon has resulted in from 3 to 6 months, the friction of the fragments producing optocoperium.

elements
In regard to infectious arthritides he advocates
the Murphy treatment, which is an appraison of the
joint followed by an injection into the cavity of a
2 per cent formalm and glycerine solution, together
with Buck a extension

For the relef of anty-losed joints he advocates the arthroplastic operation of Murphy the most important factors of which are the proper formation of the flaps, strict ascesse and careful technique

J H SRAW

ORTHOPEDICS IN GENERAL
Fraser J and Roberts, If II: Congenital Deficiency of the Radius and a Hornologous Condition in the Leg. Lance Lond 19 4, circus 666
By Surg Grave & One

\ case of each condition is reported. A study of mby ology suggests that here is to be I and a explanation of the condition. The hand at birth was tucked into the axilla and held in such a with that the normal rotation at the elbow was interfered with and it was strongly desired to the radial side. The radius was represented by a thin rod occupying a position about the middle third of the ulm, which was con er in ard Correction by tubal lone transplant was proposed.

The leg howed a deficiency in the lower thand of the tubus which it runnated about the center in a cupilite covering of fibrocartilage. The lo er capitviss and a small p; ramidal mass of diaphys we represent Operation, consisting of tibula transplant was entirely uccessful giving a perfect result after name months.

Cremer M II Pages Parvus Contraction. J. Lance 9 4, 222 338 By Surg Gynec & Obst

The author reports a case f contraction of the possa parsus nuncle causing severe pain on the new parsus and posternor and of the leg and a rice aguing a report After various unaccessful tiempts it treatment including an exploratory pornt my the tendon of the possa parsus n if und to be under great tension and was divided R if was minimidate and permanent. This cendu

tion is comparatively new to surgery The symptoms may annulate appendicits, Potts disease, sacro-thac disease synovitis of the hip-joint sciatica and other diseases W A CLARK

Of recent years several surgeons have recom mended conservative operations in all cases of esteosarcoma, but Mauclaire has had bad results with such operations except in myeloid sarcoma If the nationt demands conservative operation he prefers resection. Osleosarcoma even of the most malignant type is a form of tumor that shows many surprises in prognosis Jahoulay reports a case of mycloid sarcoma of the radius operated upon in 1002 which finally recovered after ten additional operations. The treatment varies depending on whether the sarcoma is of the diaphysis or the eniphysis. In the former after partial resection a fragment of the fibula or crest of the tibia may be grafted In the latter typical resection is difficult in such cases after resection a homo- or autoplastic graft may be made from the living subject or a corpse or an atypical resection may be performed He reports two groups of cases one of semi-articular graffs home- or autoplastic from living subjects

or corpses the other of atypical resections Semi-a ticular grafts (LEXER) (a) In a case of myclogenous sarcoma of the upper e tremity of the tibia there w s a semi articular homotransplantation of the same bo e from a patient who had been operated on to semile gangrene Good results were obtained but the patient was so obsessed with the idea of the graft that it had to be amou tated (b) In a case of central sarcoma of the upper part of the tibia a homotransplantation was done from an amp tated leg. The result was good (c) A homologous living graft was used in sarcoma of the lower third of the femur with good functional result. There was a rapid recur tence (d) I myelogenous arcoma of the upper extremity of the humerus a graft was made of the lower half of the femur taken from anamoutated limb and fixed with a f gment of the fibula of the same hmb Good result (e) Good results were gained in a case of myelogenous sarcoma of the lower half of the ulna by grafting the lower half of the tibia f an amputated limb

(KUTTAYR) () In outcoarcom of the upper third of the the has a homoit anapple attorn was made of the same home emoved from a corpse three hours after death Good result (b) in sarroms of the upper artem ty of the femur a graft was made of the same home removed from a corpse 11 hours after death of the same that the same and the data and the same three three three three three coof incurronal reg it rapid recurrence () Graft from a corpse removed three hours after death was used in a case of chondrosarcoma of the upper extremity of the femur. At the end of seven months there was a fracture of the neck of the femur with consolidation. After extirpation of a local recurrence there was a good result

(PUTII) In osteosarcoma of the upper extremity of the femur a living autoplastic graft was made with the fibula Death resulted from pulmonary metastasis 12 months after the operation

(WALTHER) Good results followed the autotransplantation of the fibula in a case of myeloid sarcoma of the lower extremity of the radius.

(ROUSING) In sarcoma of the internal candyle of the femur a homoplastic graft was made of the humerus. After resection of the latter and semi articular homotransplantation of the femur there was a good result and progressive consolidation.

(VIANAY) In ostcosarcoma of the lower extremity of the tibua an autotransplantation was made of the fibula fixed above into the tibla below into the astragalus between the body and the internal surface Good result.

(MAUCLAIRE) In a case of myeloid estoosarcoms of the lower epiphyss of the radius (1) Resection was done then autotransplantation of the fibula March 1913 (2) A local recurrence was removed to 4 1913 (3) There was removal of the fibular graft and hemologous homotransplantation from an amputated arm Jan 15 1914 Elimination of the homotransplantation Laving grafts give some good results, but there is some question as to the value of grafts from the cadave:

2 Hypical esections (MAUCHAIRE) In a case of central myeloid sarcoma of the upper extremity of the tuba the epiphysis of the tuba was resected and the diaphysis implantated into the femur. There was good functional result after resection of the upper extremity of the fibula.

(BRAMAN) A case of resection of the knee and implantation of the fibula into the femur

(Albertin) Good results were obtained in a case of myeloid tumor of the upper extremity of the tuba and of the tuba and of the tuba and of the mplantation into each of the condyles of the daphyses of the femur and tuba

(TIMER) In a case of osteosarcoma of the upper extremity of the tibus resection of the femur and tibus and implantation of the fibula in the femur produced good results

(JAROULY) In a case of osteosarcoma of the upper extremity of the tubia, the tubia and fibula were resected and the fibula was implanted between the two condyles of the femur Metastasis occurred four months later

All these conservative operations are justified only in myeloid sarromata. In other cases it is better to perform an amputation or a disarticulation far from the new-growth. Histological examination of a fragment from the tumor is necessary in order to determine the nature of it and decide on a logical operation. REMARIA DESPASA.

Altermann I Study of the Congenital Malforma tion of the Ankle Called Volkmann a (Contro tion à l'étude de la malform tion congénitale d rou-de-pied, d te de Volkmann) Th By I would be Ch rure Par 10 4.

A new case of this curious disease is reported bringing the number of cases up to 13 There are two clinical types In the most freque t one (11 cases) the lesion is bilateral and appears at birth there is also a marked shortening of the leg and a pronounced valgus position of the foot. In the other type (2 cases) the deviation of the foot is markedly varus All of the functional as d physical symptoms are due to an abnormal bliquity of the line of the tibiotarsal articulation - normally it is horizontal The malleolus is thickene I and covered w th bony projections, and its apex comes very close to the ground the external malkolus contrary to the normal condition is farther from the groun i g or 6 cm or even more The ep phy is of the abula is sometimes bent outward forming a more or less obtuse angle with the diaphysis. The astragalus is deviated outwar | its internal surface supporting almost all the weight of the body. It is not a que tion as \olimpiamann believed of a congenital outward luxation of the foot the obliquity of the line of articulation is the essential point the devi-

atton of the foot being only the result of t at the deviation of the foot being only the result of t at the pathogeness Vollmann's losses must be clearly distinguished from congenital absence of the tibia or fluids for in the former radiography I ways shows that all the bones are present. If dity is obsert d'un Volkmann a disea e nd it may be a

regressi e anomaly The cause is unknown The first step of the treatment con usts in having the child wear an orthopedic appliance to prevent a incre se in the deform ty lat r about the t nth year an oper tion should be performed There are the e methods of operation tenotomy osteotomy and tiluotars I arthrodes! — the last r is the op eration of choice. It has the double advantage of correcting the deviation of the foot and of immob living the nile joint in the correct position.

The shortening is alight and duce not pre-ent nor mal functioning of the limb L. CAPATTE

Ehrenfried 4 Club-Foot a Statistical Note. Im J Orik S rg 9 4 E N 4 By Surg Gynec & Olat

The author show by a st tistical comp lation some etiological facto s in club foot and oth r congenital deformits III statisti s o period of a years and th observatio of a few hundred cuses Lq mos rus ts b an to be three times as freq ent s any other form potential calcaneovalgu the next most comm n Val are affected two to thre times as oft n as females Double deformitie occ in ove 50 per cent f right sided. Her d ty figures in 5 per ce t nd hereditary cases all have on one srus deform tes, usually double Club foot is three times as common

in twins as in single pregunneiss. Difficult labors occur in one-fourth of all cases, premature birth in a per cent allegatimate in three per cent one-fith

show other congenital deformities

Of club-loot in near relatives 5 per cent are equino-

W llems Tarsectomy for Club-Foot: A New M thod of Operation (La tarsectomie pour pied bot. La nou cau procédé pé toire) iret ne nel 162 By Journal de Chirurus 914

Willems prefers tarsectomy in the treatment of club foot It gives a shorter foot than some other methods but one that he paits form and suppleness There are four steps in hi anatomical tarsectomy

The first step is to resect a flap of skin from the dorsal surface of the foot so that too much skin will not remain after the operation

The second step is the compl to resection of the astragalus by chusel and mallet

The third step is the transverse resection of the antenor tuberosity of the os calcis. This resection should be extensive enough to give the foot a sort of balancing motion If necessary one half or twoth rds I the ant mor purt of the os calcus may be removed and even in extreme cases a part or all,

of the cuboid and e in the scaphoid The fourth step is the I fting and rotating out ward of the anterior part I the foot which brings the cubosd or if it has been resected the head of the fifth m tatareal 1 to the pening bet een the tibia and abula. This operation serves admirably to co rect all three clements of the deformity the equin sm the plantar aversion and especially the adduction f the anterior part of the foot The stent of the resects n may seem excessive but experience has hown that after extensis resection the remaining bones adapt themsel or very rapidly fibula an I the uboid He considers this the opera t on I choice specially in try young infants and all forms of congenital lub foot exc pt some rare cases of acomplet club foot in which consers t e tarectomy will do CHIPDLIAL

Jones, R Ti e Surgical Treatment of Infantile Paralysi Ci J 9 4 xl ii, 353 B) Surg Gync & Obst

La is tre tment should be by rest sucluding fixation in som cases (fimit rintaco of the aril med are sand to old faulty posture with res it ing deform tes followed by massage and car ful m of taining lany h ing in m nd that the m ed fibers are d leaf d asily injured by rough massage r tret hing liter a year of ppropriate treatme t it may be as med that function has re turned to Il muscles that will e er reco tr

Oper t e treatment hould keep when the hunt set b experience which show th t m sele stretch s g causes quite serious d form by as paralysis, and care should always be taken to keep up proper muscle tension avoiding stretching with its result ing impurment of function and relaxation produc ing faulty mechanical action with delayed recovery of function

Iones emphasizes the fact that not only nerve but muscle tissue is involved a in cases of drunkard a nalsy which may be due to muscle-stretching with out avolvement of the musculospiral nerve and the whole ners e muscle unit must be considered These principles apply also to tran planted muscles, which mu t be placed in correct mechanical advantage

and not made to contract against too great resistance He considers electricity of less advantage in treat ment than massage correct posture and exercise and cites cases in which cure f llowed the complete relaxation of overstretched muscles by fixing the part in position of contraction of opposing muscles thus securing diminished tension on the weakened muscle tissue which mmediately showed marked

trophic de elopment

irthrodesis and tendon tran plantation are not to be considered early in life before the patie t can understand the situation for himself - and n ver until deformities have been corrected for at least two Such correction can be accomplished by manipulation tenotomies fixations and extensions and more rarel by ostcotomics Muscle transplantation a ma at the rest ration of bal nee and careful study shuld prec le operat on to avoid the sub titution of a new bnormal condition for an exist Unless a muscle ble to be f functional IDE OD use it is useless t tran plant t though its tend n may be used as st ligame tin cases where ilk ha sometimes been used by nehorin it in the periosteum as for inst no n the external malleolus to correct aru d form t

Verve tran position discussed ad hope ex pressed that bett r re ults may follow soon from our bett runder t nding of ners physiology par ticul rly the wo k of St ffel on the topography of which ma gie bette the cross sect n of nerv bases for th accurat uturing f tibers rist g impulses in the same direction C E WELLS

Davis G G Lumbosacral Pains, from n Orthopedie Standpoint Ther p Ga 9 4, xxx 38
B) Surg Gyner & Obst

The autho d stuss ng pa n and ts causes in the lumbosac l regi t t that whil t is a desirable thing to be able to demonstrate the origin and cause of clin cal phenomena it is not always possible to do so He states that it is a fact that there occur in certain cases, symptoms which are referred to the region of the sacro-diac joint

It is not evident to what extent these symptoms may be due to the involvement of the surrounding structures uch as fibrous tissues and fascia and to the adjacent lumbar and lumbosacral and even hip-joints but it is probable that they are more or

less interlaced The existence of distinct lesions have a their main seat in the sacro-iliac joint has been practically

accepted as a fact The history is given of a case which the author believes was a clear case of sacro-iliac relaxation

He states that other cases with the pa n low down in the back give no evidence of sacro iliac relaxation but that when the complaint is localized in the region of the sacro-thac joint for clinical purposes at is wise to consider that part affected and direct measures accordingly

These troubles low down in the back he states are also caused by traumatism and cramped or unusual attitudes In addition he states there may be a true osteo-arthritic process and a condition which he called a rheumatoid gouty arthritic diatheis as the cause of the trouble

He considers support fixation and rest the best remedies Drawings of a number of different belts and appliances used in the treatment are shown

TURES O WALLACE

Biesalski K New Apparatus (T chuische Neuer gen) Z niralbi f k meck Orthob 1014 meck Orthop 1914 By Zentralbi f d. ges Chir u. : Grenzgeb

In the after treatment of club-foot tran planted tendons etc Biesalsk makes use of a simple appa ratus that can be used at home and that insures a pronating and supinating movement of the foot It consist essentially of two plates that can be tilted by means of prings and t can be arranged as desired for the treatment of club foot or flat foot. In fixed flat foot ti recommended th ta hot-air treatment be used a conjunction with the apparatus. He describes a night spl nt for club foot which corrects all three pathological mo ements. For m ld cases of pes equ nus he uses a thigh splint with a shoe which can be held in dorsal flexion by a piral spring acting on the ankl | nt DUNCALE,

SURGERY OF THE SPINAL COLUMN AND CORD

Roth R. L. School Postures and Spinal Deform itues. 1 (las M Ga 0 4 CKEY 5 By Surg Cymec & Obst

Amety pe ce t of the pt al d formities are developed between the ges of six and twenty Lateral curvature is r re among the unciv lized while to ommon among the cultized As the

infant progresses from the crawling to the cre t postur he de clops the physiological curves of the body and at the same time develops the muscles of the back t mainta n the erect posture. The unci lized nations exercise the pine by carry g burdens n the head and also by satting on th gro nd n tead of a char Children would probably be benefited if they did not use chairs until they were eight years old

Of 10,066 school boys 4 1 per cent were found to be scolotic and of 13,356 school garls, 5 8 per cent were scolotic.

Scolloss is always accompanied by rotation and at times is also combined with varying amounts of lordous and kyphoss. The erect position is main tained by the opposing action of the spinal muscles is stronger than the other there if one set of muscles is stronger than the other there.

will be a curve
The school postures of sitting, standing writing
besides the school games which exercise only one
side of the body are largely responsible for the

prevalence of scollosis

The long axis of the trush is at right angles to the axis of the hips and shoulders. If the pelus is titled by a short leg or from some other cause the spine will tilt to that side. The spine curves up to restore equilibrium as a result the opposite should be appropriated by the superior of the superi

In siting the equ librium of the body can be maintained only when the center of gravity is directly over the hip-joint axis. If the center of gravity is before or behind this point there is constant muscle effort resulting in fattigue and the assumption of

taulty posture

A floer real at a sustable distance allowing the knee to be been at one and one half right angles will tend to keep the priva up nuthout effort. Lvery char at least those for chaldred during the time of their education and growth requires a properly constructed back to support the pine. The support of the lumbur pine releases fatigue and prevents faulty at time. The support should be placed to allow the center of gravity to fall just beh ad the hip point axis. A seat without a back or with a baddy constructed back causes round shoulders and humpfed to k, with their concomitant evids. The depth of the scat m: the such as a to allow of flexing the larges whe like the did is using the brick length of the scat m:

In with a the light should come from the left red eaks top sho do or rain be west so that the child may write without bending forward. The height of the deat sho ld he such that when the child sits erect both lbons can rest over the edge the child with the child sits erect both lbons can rest over the edge the child with the child sits erect both lbons can rest over the edge to he child with the child sits erect both lbons to passed on the same that the child sits extend the should be about the place of the paper. The child will be not wristing of the spine or advancing of the left shoulder to the spine or advancing of the left shoulder.

A had writing posture always predisposes to lateral curvature of the spine with marked rotation. It is most important that educat onal authorit es nay more attention to the fact that spinal curv tures are generally developed during school life and that they can be prevented easily Accuse O Rener

Leriche, R Technique of Laminoctomy and Radicotomy from Seventeen Cases (Sur la technique de la immectomie et de la radionômie d'aprè dur sept observations) Lyes Chr. 19, 42, 421 By Journal de Chruspe

Mer having performed by Jamusectomes Lenhunks that operations on the enry roots and the cord are not inflicult II not done by the extradual method which causes troublesome harmonic life operates under either anesthesia after daught itos with interuse of foulme with the head slightly lowered. The exploration is made by the classical methods to which radougraphic examination of the vertebrus is add d when absolute prevailor is need say. The licenson is made just to one side of the say. The licenson is made just to one side of the ratural control of the properties of the control of the properties of the protects of th

Hemodaus is accomplaised by pressure by plann tampons in the miscrologunal grows. The sunous processes are then removed with the gong forceps and the mediulary anal opened at the with the forceps or with the aid of a Doyna lot. If we have the force of the control of the contr

there he radroot my or operation on the cord has been accomplaished Lenche sutures the dun mater with small curved needles and oo catgot with autures as pear together as possible. This lies of finished there is a large dead space convenience to the lamin and spinous processes that have been removed. He fills it with a mustle lam with the fields made again at the dura mater. That the muscles are sutured 1 several layer of the lamin and the dura mater. The things are sutured 1 several layer of the lamin and the dura mater. The things are sutured 1 several layer of the lamin and the summation of the lamin and the layer of the law of the layer of the

Adams, Z. B : Ca see and Treatment of Scolonis.
im J Orth Surg 9 4, 12 No. 4
By Surg Gynec & Obst

Adams believes scolious is due to some congenital deformity of the sacrum or the fifth lumbar vertibre— as failure of fluxon of a supernor or afterno articular process, or pedicle? I the vertebral body regrowth or undergrowth of bone causing tilting or rotation of the I mboascral articulation

tilting or rotation of the 1 mbosacral articulation with a resultant curving a th thoracc and I mbar regions from the effort to maintain an equilibrium upon an unstabl base. Rotation of sacral segments before fusion has taken place is also given as a cause. He believes correction. I deformtly should be by operatio.

Schanz A. Concerning the Treatment of Scollouis.

Am. J. Orth. Surg. 1914, 21, 570.

By Surg. Gynec. & Obst.

The author considers that the problem of scolusis has shown useful to be the most difficult to solve of all that have ever best our science and our art. In the history of the treatment of scolosis there is a peculiar activity in experimenting and blunt contradictions among writers on the subject. In the discussion and classification of scolusis it is necessary to the contradiction of scolusis it is necessary and come to the reliadorical.

All real scoloses show lateral curvature of the spine with pnnepal and counter curvatures, cultivation of wedge-shaped and oblique vertebræ and torson. The ongun of real scolosis lies in the mis proportion of the load to the strength of the weight bearing column. The torson is explained by the fact that the overloading is felt at different points of the cross-section of the column at different times

In the treatment there are two things to be accomplished to to restore the equilibrium of the spinal column and to restore its normal shelters of the column of the spinal column and to restore its normal shelters only for there are cases in which the condition is not benefited but aggravated by this form of treatment. Patients who seem to have been ong mally strong and who have no pain or sensitiveness in the spine may be given gymnastic treatment in the spine may be given gymnastic treatment means of correction of the sheltest deformity how seer it is the author's con-riction that gymnastics are absolutely tucless

Apparatus for support about he accompansed by some measure such as massage or exercise to prevent the atrophy of 1 act 41/. For restoring the normal skeled form methanical apparatus is the opportunities of the property of the party of the

concavities nor are pads inserted to produce cor rective pressure. After the removal of the jacket the patient is kept recumbent and only gradually allowed to be up with support. The results are sometimes disapponning the original deformity returning.

In the author's opinion complete correction of the scolous deformity is impossible. He regards the results obtained by Abbott as deformations of the thorax simulating correction and not as actual correction of the iginal deformity. He deplores the fact that the causes of the datawheed equilibrium constitutional scolious are not known and therefore we do not know how to prevent or cure it appeals is made to pathology whence the next word must come

Sever J W: Report of the Scologie Clinic of the Children a Hospital Boston N Y M J g 4, ECR 217 By Surg Gynec. & Obst.

The author reports the work of the clame for the nyars ending in June, 1913. Postural deforms the standard of the property of the control of

The moderate types of structural scolouss are treated with removable jackets made over corrected torsos, with or without exercises. These are worn at least two years the jackets being remade about every aix weeks. The severe structural cases are treated mostly by the head suspension method.

The figures method with supplication of rotary. The figures method with supplication of rotary. The figures method with supplication of rotary for the figure of the figur

SURGERY OF THE NERVOUS SYSTEM

De Beule, F: Two Cases of Forster Van Gehueten a Operation for Little a Disease (Deur cas d'operation de Fferier-Van Gehueten pour maiade de Little) A Soc beige d ck Brux 9 4 zru, 45 By Journal de Charuge.

46 By Journal de Chirurgie.

De Beule used Van Gehucten's modification of
Förster's operation on two little girls ten years of

age who had Little s disease
In the first case the lower limbs were in hype extension, the foot forming a direct continuation of

the axus of the leg. flexuon of the lup. Lace and foot was unpossible willing was totally impossible and the child could seat herself only with great difficulty. There was closure of the kneed on the sand the child could seat herself only with great difficulty. There was closure of the kneed on the sand the basks as agn on both sides. Operation was all basks as agn on both sides. Operation was all basks as agn on both sides. Operation was all basks the sand basks and first two loundary vertebra of the last dorsal and first two loundary vertebra musics of the dum a mater and laying bars of the sensory roots. Three bundles of the root fibers were isolated and rescretch. The dum mater was

close I with fine catgut the muscles and kin were sutured and a large occlose in dressing applied Recovery was universitied. A five loops of rebrossional fluid were discharge if the next two days finer, was a marked and prograssive die rease in the spenticity of the lower limit. W present he goes to whood. Her walkings not perfect ther is a cur and other of a story and the fit turn inward and the story of the story of the fit turn inward in a few munites the his far lower. I have and anall-closures and Bahmsta, a sent neers it.

the sect nd case was a mild out. Active and pass such movements of the limbs could be parformed sprinciply was his no only on walking. For the past few mouths there had been from the necesse in the diff this. All, clonus and Ba limbs is sup were present. The last two lored and

first two lumbar vertebra were resected ther bundles of root filters were resected on the right On the left the fibers were lifted one by one of blunt hook and every other one was cut. The re covery was afchrile. There was no ducharge of crearbor poinal fluid. There was no ducharge of the covery was afchrile. The child now wilks normally. There is no ankle closus, but il shows it sign persists.

The author go is some detail of the technoges of hotomy. The eners costs must be handled with grant care I they are very fragile. They should need be succeeded with forces which crush them hat should be handled with small this; thould be not the should be suffered with a very inserting the state of the should be suffered with a very inserting the state of the should be suffered with a very inserting the state of the should be suffered with a very inserting the state of the should be suffered by the should b

MISCELLANLOLS

CLINICAL ENTITIES - TUMORS, ULCERS, ABSCESSES, ETC.

Rous, P Certain Spontaneo Chicken F mora
Manifestati n of a 51 gl D stase SpindleCelled Sarcom in Rifted with Blood Sinues.

J J J J J g 9, 22 5 0

II Sar (sac. & Obst

Recently three trangiant bl ch ken tumors distinct is haract r h v be n f d by Rous to have a filterable cause. The inference between these tum r ar trac abl to iff note in the causate e agents. La h age t gives we e normal f wl to tumors file sort from which it wa isolat d by fitz tion I readed the gent I my different a transplant ble t when Irosare mage es rise t sarcomatous tumors in which artifige and bone are lul I an C rtain mino nati us la e been fud to or u teh tumor tr mast recourrent phenomena as frimtance the lifth sire ma known in the laboraters fith Rock fill Institute as chicke tumor \ t are n some chickens, f \ r3 attenuated pindl f m in oth o t shaped or al mo t rou I in oth re int rejected in the accomat us The ourse of the bacase arres in in de idual fowls b t Rous for 1 th gro th to be al was a smindle lited sarrom a lat modific too sto be not great rith a those observed in criain rat and mouse tumors propagated only b tran plantation nd d pendent on the urve I fa single race of cells

Mitampis to be g abo it arrations 13 naturns the fiterable agent he abe on uccessful, as have attempts to mak. It aff ct epitheli m. Rous be theves that there is good reason to suppose that other tumors (t h s' w beaules those aff and stituded are cused by fit rable ag int. The r ng in structure and beha for am g ch ik in tumors it very wide E. when composed of cells of similar origin they 11, mammalian growths offer enablet a strikingly ared structure and counse enablet a strikingly ared structure and counse

The auth r bactomed that two postaneous chalen tumor recently rain planted have each guest race on planta's instald, conveniently and with a t more are a directly under propagation has the sum the present paper the post necessary tumor known as thicken tumor \ 0.35 of the author seen a scena to be a mandestation of a de-se mple car and ay reported upon and known a hacken tumo \ 0.9 This latter gro h is randic cellul sam man firled in a haract mass man with blood mayor and tending to medial, to the contraction of the contraction of the constalling the con-

of joint

The very significant article of Rous may be briefly summarized as follow

That chick in tumous of m kelly diff rent type have lifter. I filerable agonts as their case the kell provided in the present and g make it probable that the cream i mits t more of rather nour charact may be i pende t upon a single gent The assumpts in greatly sumpths the toological mole lem lists it much of the minut that those of the minut that those of the consumption for the minut that those of the consumption of the minut that those of the consumption of the minut that those of the law of the consumption of the minut that those of the law of the consumption of the minute that those of the law
Lange L B Cert.in Spontaneou Chicken Tumors as Vanifest tuon of a Single Disent i Simple Spindle-Celled Sarcomata. J Ltp 11 d 9 4 xx 577 By S 1g Gyncc & Obst

among the pontan us ch ken tumors which the lab ratory of the Rock file. Institut there were two spundle celled sarcom t that yul ked contangularation neoplasms milar re-pectic cly to two strai already der propagation. The resemblances of the growths dero de from h ch n

tumor No. 18 to those derived from chicken tumor to 18 were taken up by Rous in the priceding article The subject of the present paper is ch clen tumor No 43 a simple spindle celled sarcoma apparently identical with chicken tumor to 1 The spontaneous tumor to 38 differed considerably the author found from the spontan ous tumor to 15 and only after the growths had been observed n many hosts was their close similarity recognized Tumor to 43 on the other hand in its original form strikt gly suggested tumor to I and the transplantation growths were practically identical with those of the latter - both were produced by a filterable agent Lange show that the forty third spontaneous chicken tumor received at the Laboratory of the Rockefeller Institute strik nels resembled the first and that t ea e ris on tranplantation to an entirely imilar series of neoplasma. Tumors of both strains are due to a filterable gent which remains a to in the dried or ell crinated George I Brillia

M 50 W J Th Prophylaxis of Cance 1 S g Phila 9 4 lix, 8 B Surg (net & Obst

Mayo tates th t all the brate animals suff r from ca cer situ tions ffected by the h bits or conditions of I fe leading to local ky 1 the pro mech nsm H belev that local le as should be look 1 upon n t tion to without r gard t | I whit the a tu l au e of can cerm she The mpren rou hullbelm t ed to those contition wh h ln ll scope il cannot be ul to be rel being or The ha t of the Ils are surel male t ch ged that kiff rentation but now the reno ini ltratio f the rr un ling tissu cellular hang 1 r nd th pumphrs fanle ition was blaseltr nant growth and a des loped mal g a The local less not the ro cond to n the prob in tation nel th i blac pt

If he is the tlock of the tother groups () get if requed neoplasm such as mot we take the get more which my light might be groups and the groups of archemits the such matter which he dethouset to the present the such matter than the such matter than a such mat

det the so-tent to filth proper mediates when the risk for hims how the him has them if the second to the second to the filth proper to the second to the se

to the control of the

ing the local lessons due to infections such as bilharza of the bladder treponoma pallidum in kera tosas lingue nematodes in testicular tumors in horses and in gastric cancer of rats and the horn core cancer of cattle due to the irritation of the opposit hrough the horns with which cattle pull their proper horses in the horns with which cattle pull their the hanger laskit is Kashmur the cancer in three two countries would be reduced one half

The author then calls attention to the importance f and the exidences of local chronic uritation n the production of cancer to the solution of problems in regard to the development of canc is on the internal mucous surface of the body. For example cancer of the gall bladder from gall stone stritations and cancer of the stomach following gastric ulcer 1 ifty per cent of cancers of the pelvis of the kidney are demonstrably uperimposed in extensive renal calculi formation. Carcinoma of the appendix u ually occur in association with chronic obliterate e processes. In the sigmoid and rectum th arritation a diverticula may have given ri e to in ligarent disease. Cancer of the stomach occurs in so per ce t of all cancers in civilized man but is not common in prim t e races or in ! wer animals When cancer of a certain organ is found in only one class f 1 invidual or o e pecies it means a ingle cause uch as betel nut cane r and kanger cancers r of the st mach mu t be lue to one cause of many the l wer animals and primitive races would bem coften affected comething in the habits and toms of ci lized man in on ction with the cook ing and preparation I food must be respons bl for th large pure tage I cancer of the st mach comparative avestigati n w ul l be fixalue

In c nelusion h is I would gan cell attention to the fact the existing leason play the mot mpot tant p ri of the kin was factor which surround the die penent of c this uch precedent of the condition which is the condition of th

Losee J R and Ebeling A II The Cult ation of II man T saie in Vitro. J I p Med 9 4 u 591 lly 5 rg ()m & Obst

The price t m t guto s w re und riadon to cer it wh ther him connect a two teats in from fesh la creould be kept na indition of man it if uit of of hoga sam. The thorn pulse lo human tiesa time thool by the connection of the manufacture of the connection of the co

tumors were placed in human plasma and incubated the fragments in a few days, were surrounded by many cells but that generally liquefaction of the medium occurred and no growth was observed. In other experiments undertaken on normal tissues the same phenomenou was observed. Therefore the authors, in this instance attempted to develop a technique which would permit them to keep human tissue in a plasmatic medium authout the occurrence of liquefaction At first they attempted to obtain a medium that would not liquely under the influence of the tissue The first medium made use of was human plasma and extract of human tissue taken from fresh cadavers This, however proved unaustable as liquelaction occurred about the Irag ments of tissue in 24 hours. Many modifications of the medium were tried in order to overcome these difficulties Finally after many attempts had been made it was found that by diluting the plasma with equal parts of Ringer's solution a medium could be obtained which would not honefy in less than 21 hours and often not in 48 and 72 hours. Usually 18 hours after the medium had been inoculated with human tissue growth appeared and increased progressively. After a period of from 14 to 96 hours the fragments of tissue were transferred to a fresh medium in which the growth continued. The medium was aguin modified by the addition of a small quantity of diluted extract of human tissue after which the growth became very acti e

Finally after continued experiments, the authors found it possible to obtain large growths of human connective tissue They could transfer this tissue from medium to medium. They therefore dem onstrated that it was possible to keep a strain of human connective tissue in a condition of active life is rure for more than two months. They believe that when a medium has been devised the composition of which is more con tant buman connective p tre for an indefinite usane can be cultivated GEORGE C REILEY period

SERA, VACCINES, AND FERMENTS

trons E. L. The Treatment of T tanus by Anti-toxin I Am M A to 4 lou, 20 3 By 5 rg Gyner. & Obst

The author reports a series of 25 cases collected mainly from large hospitals in the United Stat 3 and Canada The mortality of all treated cases was 6x 77 per cent while in cases without serum the on 77 per cent wante in cases when the mortality was 85 7 per cent From the review of the cases the auth points out the necessity of combaining not only the toxin which has reached the circulation but also the toxin which has already reached the central nervous system To remedy the first condition an immediate dose of 3 intravenously is indicated and for fi dition an immediate intraspinous

From these statistics it appears that the mor tality of tetanus treated by tetanus antitoxin is about 20 per cent lower than the average mortality of tetanus treated without serum

2 The mortality of cases treated by efficient methods and adequate dose is considerably lover than that of cases receiving small doses subcutang-

ously

The author appends the following outline for the treatment of tetanus. The prophylactic treatment by antitozin is established. In a case where symptoms have appeared an immediate injection of 10,000 to 20 000 units of antitona abould be green intravenously and 3,000 units intraspinously On the following day the intraspinous injection of 1.000 units should be repeated. On the fourth or hith day 10,000 units should be given subcutaneously to maintain the antitoxin content of the blood. In addition to this serum treatment the ordinary treatment by sedatives, methods to sid elimination and the surgical treatment of the site of the in-fection should be instituted I H. Sanga.

Falls, F H. and Welker W H.: Appearance of Non-Colloids! Ninhydrin Reacting Substance in the Urine. J Am M Ass 9 4 km, 800. By Surg. Gyner. & Obst

The authors used the following method in testing urine Ten com of urine were mixed with an equal volume of alumnum hydroxide cream and the mixture was shaken and filtered. Ten com of the filtrate were treated with o 2 ccm of a one per cent minhydrin solution and heated on a Shaddock humer for exactly one minute after boiling had begun, The depth of color was observed and noted after the tubes had been standing for half an hour t room temperature. In all the samples containing albumin the filtrate from the aluminum treatment was tested by means of the heat coagulation or Heller's ring test, in order to be certain that suf ficient aluminum hydroxide had been used to remove all the albumin They reached the following The presence of non-colloidal ninhidrin re-

acting substances in urine is of no value as a means of diagnosing pregnancy
2 The reaction may be absent or inhibited in

the unpe of pregnant women as well as in normal and pathologic unne

3 In the various urines treated the only differ ence oted in the ninhydrin reaction between the diffusates through parchment and the filtrates from the aluminum treatment was in the intensity of colors the aluminum filtrates showing a less intense color with mahydra

the treatment with aluminum hydroxide give a color treatment with aluminum recting positively with minhy drin, the removal of colloidal substances favors the product in of the blue color given by this reage is write mino-zends. Such unners before diffusion treatment with aluminum hydroxide give a color treatment with aluminum hydroxide give a color

och is not so strong and has more of a reddish cast

The conclusions read follows

g The occurrence of either albumin or indican appears to have no influence on the ninhydrin reaction applied to the colloidal free urine DOWARD T. CORNELL

RECODE

Leapingsse V D The Treatment of Harmorrhagic Disease of the New Born by Direct Transfusion of Blood with a Clinical Report of Fourteen Cases. J Am. If A 974 km 866 914, ku 866 By Surg Gynec & Obst.

The author reports fifteen cases of hamorrhagic disease of the new born treated by direct transfusion The results in the fifteen cases were excellent the hæmorrhages stopped at once in all of them and all recovered so far as the harmorrhages were concerned Two babies subsequently died of syphilis

The amount of blood transfused into the baby varies from approximately 100 ccm to 425 ccm performing the operation great care should be taken that the blood does not flow into the baby too fast as it would be liable to produce an acute dilatation of the heart The donor is usually the father

The durat on of blood flow is approximately five minutes One of the babies was practically brought back to life Its heart could not be heard for several minutes before the blood was allowed to flow but the fresh blood started its heart again and it made an uneventful recovery

The author draws the following conclusions I Direct transfusion of blood stops the bleeding

and restores the lost blood 2 Direct transfusion of blood has cured where all other methods ha e failed

3 Direct transfusion of blood should be used early but so long as there is a spark of I fe evident it is not too late for transfus o

BLOOD AND LYMPH VESSELS

Styled W Arterios nous Angurism of the Common Carotid and Internal Jugular (Ancur) sma arterio enosum der Carot comm nis nd jugularis int rna) D sectat on Munchen o By Journal de Chirurgi

After a general discussio of the 1 tist 8 and surgery of aneurisms the author describes operated on by Gebele It w a spo t artenoveno a aneurism of the common carot d ad internal jugular Th o yea old pati nt had catarrh of the pex in 1900 an I shortly afterwar i noted a small tumor in the middle f the right i le of the neck. It was regarded as a gland an i tre ted with iodine She becam emscrated wa tro bled with dissiness fainting cough a d difficulty breathing Aneurism was recognized at the Viun chen Surrical clime There was a pulsat ng tumor apparently consisting of two parts round a d the size of a dove s gg under the sternocleidomasto d No improvement followed the application of ce and gray salve on the contrary it grew larger tion was refused and the was discharged

In 1004 the tumor began to grow rapidly and in 1005 it was operated on (klausner) The right com mon caroted was ligated and for a year there was loss of voice and continuance of symptoms but in 1002 there was return of the voice and improvement In tora it grew markedly worse Wassermann test was negative On examination Gebele found a tumor on the right side of the neck as large as a man s fist passing upward into the submaxillary region without sharply defined boundaries and extending downward to the clavicle and to the nurular It was a pulsating tumor fixed to the underlying tissues The larvnx and traches were displaced to the left. The circumference of the neck over the tumor was 40 cm. There were technical difficulties in faving bare the vessels Forty cem of gelatine was intected subcutaneously It was well borne and the injection was repeated. The tumor decreased 2 to 3 cm. The hereditary ofigin is noteworthy FRITZ LORB

Gilson Hermann: Arterioren us Angurism of the Internal Carntid and the Internal Judular (A furum rifinoso- rineux de la caroude interne t de la jugulaire interne) J d ch belge, q a By Journal de Chirurgie

The author had occasion to operate for an arteriovenous aneurism of the internal carotid and the in ternal jugular in a man of 48 follows g a gunshot injury in the region of the left carotid The accident was followed immediately by a serious hemorrhage the by the formation of a large hamatoms it was not until two months later that the symptoms of aneurism preared suddenly. A diagnosis of aneuri m of the internal jugular and internal carotid was made and confirmed on operation The sepa ration of the internal jugular and inter al carotid was impossible on account of adhesions to each other and to the ne ghboring tissues so it was decided after c r fully dissecting the pneumogastric and the d scending branch of the hypoglossal to heate the c mmon carotid and the internal jugular. The onfice of ommunication was found. A large drain w placed; the low report of the wound and it was us red. The next day the patient had no symptoms his temperature and pulse were normal. a dh was able to read his paper in bed The drain was removed on the fifth day, the sutures on the ighth and he left the hospital completely well on the twelith

Such ancurisms are rare and almost always of traumatic origin The mortality is high -6 o t cases - not so much on account of the difficulty of the operation but because I gation of the common caroted is often followed by fatal cerebral symptoms such as convulsions come and cachesia. The uthor tried to determin the cause of these c rebral disturb nees following ligation of the commo carotid He injected the corpses of new born infants with Leichmann's fluid after having I gated the of this hypothesis

common carotid and found that no factal or cerebral area was deprived of its blood supply He thinks the mechanism which produces the trouble is as follows When the common carotid is light d the di tal atremity of the ligated artery is temporarily depresed of blood. The artery being very elastic contract. drives a part of the blood in it into the collaterals and then dilates It this tim in this part of the carotid negative pressure is produced. The bloud reaches the circle of Willis threugh the basilar and posterior communicating art ne this mom at a ventable flood of blood aters th internal carotid. When the collateral circul tion is tablished a great quantity of blood reache the external carotid through the superior and inferior thyroid and increases the engorgement already exi ting in the common carotid. This abnormal volume of irculation he thinks detaches a clot a 1 causes fatal embolism I inholism is the most fre quent complication and generally take place a number of hours after the ligation M re experi ments hould be performed to determine the truth

Moorhead T G: Treatment of Lymphosarcoma by Benzol Wal Press & C e 94 1 m 654 B S Cynec & Obst

I DUNOVE

The author gaves a prilim easy r port of one care of lymphosare m treated by bazzol TI paixet came to the bospital compliance of a will be on the right said of the ret. The examination howed makes and of the ret. The examination howed said of the ret. A lass milar but smaller will go on the left side. There was do tient duliness on precises no or the manulumin term and the car diac of II easy was not ret. The National State of the ret. The term of a large opaque mass filing up the greater part of the supe our medical in an entry to the state of the superior medical in the left was the superior with the superior will be superior to part mile the was the superior will be superior with the superior will be sup

A lag cast of lym ho-arcona wa made and it was d te mi d to triv barrol A drachin of the drug was given at first b t the dose was rap fly in creased until fi 1 achins daily wer gi n X ray aposure w n gi e twe weekly

The cit up to the resent to as follows. The glands in the neck has a lonest cup hit y despipation of the neck has a lonest cup hit y despipation of the delivers of the delive

Bunting, C. H Hodgkin a Disease. Ball J kar II pt II p 9 4 xx 77 B) Surg Gynec & Obst

Bunt ng s interest in Hodgkin's disease dates from a series of experiments performed in the laboratory of Flexner at the University of Fennsylvania in 1903. His experiments at this time led him to de clop a working theory as to the pathogenesis of Hodgkin a disease which he still holds, though in a modified form.

His conception of the disease was that the change in the lymph glands were due to the idiration through them of a toxin laborated at some primary focus of infection and were in consequence caused of a secondary nature—an end result. In bod he labrace that in Hodgham's I sease there is a personal property of a personal which for a considerable property of a personal which for a considerable control of the property of the proper

The uthor studied the material from twenty eight cases of Hodgkin disease and a stud of these cases from a pathological standpoint has trength ned his conviction that the lesion of Hodg hin s li-case is essentially f inflammatory nature In summarizing the author holds that Hodgkin s lisease 1 n infectious disease due to a diphtheroid organi m the bacterium Hodgkini. A nimary leson may ft n be f und at the portal of entra While in some cases the organ sms may remain for a long t me localized in the vicinity of the portal of entry in other cases they early gain entrance into the general c reulation and may be widely distributed The organism and its t ain show a special affinity f r lymphoid tissue and produce in this the charac t ristic hanges (Hodglan's disease change var) ing somewh I according to the intensity of the toxin, I tr sulting ultimat ly in the sclerous of the glands. There 1 at the same time an interglandular 1 flammat ry process at times very acute but it ult ing finally in a dense sclerotic tissue. There are also charact is tic blood hinges in the disease

The glandulur changes can then be considered nly as the result [a tone action and contribute it the patients of the m rely incide tall) when ertain gland groups re tess cly enlarged. The Il of the charged glands though atypical also none of the aniagonism to the othe body cell charact in the of malignant neoplasms

GLORGE E BEILEY

Bunt ng, C. H The Blood Picture in Hodglin Disease. B II J h II pk Hesp q 4 xxv By Surg Gynec & Obst

B nt ng has been able to tudy the blood partner at a sity in e case of Hodelan discrete in the highest had been established. The tudy of the largeness had been established. The tudy of the period of a site of the site of t

The first group including cases of a 3 ar or less a durat on, she s a normal or slightly reased tal leukocyte count a th a normal or dec sed tell leukocyte count a th a normal or dec sed recent ge of polymorphon clean retrigiphik

The second group includes the cases of greater duration for the most part and shows a sharp lenkocytosis running in one case (as far as could be determined from the mear ratio of I white cell to o red cells) to at least 100,000 leukocytes per crum This leukocytosis is accompanied by an increase of the neutrophiles to a percentage between 72 and on - a percentage ordinarily consider d of value in diagnosing a suppurative process in the body yet occurring in Hodgkin's disease in the complete absence of ous formation

Throughout the disease there are two constant features an increase in blood platelets and n abso lute increase in the transitional leukocyt s gard to the other elements in early cases there is a transitory increase in lymphocytes and baso philes and a deficiency in cos nophiles with a normal or low neutrophile count followed by a gradual decrease in lymphocytes and a mode ate cosmophiha In late cases there is a mark d neutrophile leukocytosis and a diminution in percentage of all other elements ex ept the transitional leukocyte

ferorce I Britas Yates, J. L. A Clinical Consideration f Hodgkin Il pk Ilasp 9 4 XX By Surg Gynec & Obst

Vates like Bunting believe th t Hodgkin's dis ease may be consid red an infectious non conta grous affection due to the bat rium Hodglin characterized by a somewh t anable though defi nt reaction n th lymphatic and perilymphatic tru ture specifich nges in the blood p cture and by the manif st tion of Ittl or no tendency to spont neous recovery

D sease B II J k

It appears to the autho th t these cases clearly in licate that primarily Hodglin's disease is a lo calized process sceptible of ure wht properly tr ated as a m l gn though chron may per ist for years without manifesting itself

e n th blood picture so that cures may not be ssumed until aft n un nt rrupted d ration of se rs f persi te tis normal condition

A so treign rem dy for all cases is not now co cers ble At pesent the greatest need a some ther neut agency to atrol gland not directly access ble froce ten ion which may occur a ly has ea hed ther the th rax bdomen the prognos be m latte ly fin tubsolutely hope GORGE I BILB

Hınnın C A Ligation of th Innominat Artery 1 5 1 Ihila 94 h q6 B Surg G nec & Olast t f the infr que v flg two of th () m t rtytheauthorpoth ave the ase w that I wm n ged h h t compla ed of p n 1 lift ulty using the right a m Lat a pulsat g willing le-l pul abo th right 1 icle about the Lee fa gg Ih olypthig coduo om the wa moderate gra! f rterio-cl ross

First an attempt was made to insert a fine silver wire into the sac about 8 inches—no improvement of

the local condition resulted Ligation was next attempted. The incl ion was made along the antenor border of the sterno cleidomastoid and along the upper border of the cla ick forming a triangle exposing the deep structures of the neck. The anturism involved the thir I part of the subclavian artery and extended un ler the calenus ant cus. The sternohyoid and st mothyroid were cut and bout two inches of the clavicle resected exposing the innominate artery This ves el was I g ted with a heavy silk ligature and found to be atheromatous. The common caroted wa also tied with chromic gut

The case recovered completely and no trace of the fo mer aneurism could be felt. The radial pulse is absent

The author h s collected a t tal of the cases of of the innominate artery a of which were succ saful In these cases gangrene was not noted any although disturbance of cerebral carculat on occurred a number of times The most common c use of death was second to hamorrhage most of these occurred a pre antisept c days

LILECM

RECTROLOGY

Heineke H. Ti eary of the Effect of Rays, Especially of the Latent Period (Z r Thione der St ahlenw rk. ng 1 sbesondere ber die Latenz z t)

M hen med li h hr 0 4 l 807

B) Zentralbi f d ges Gynak Geburtsh s d Grenzeeh

Hertwig studies show that rontgen an I ra I um rays ha their ch ef flect on the nuclei of the cells and occially o clidivis n which takes place in a ve y ab o mal way after irradiation. He explains the apparently slighter effect of larger loses by the fact that the capacity of the rradiated cells for division a destroyed. The nucl us of the uradiated cell loses to capacity for livis n but keep the apacty f fert zing or b ing fe tilized a d s not recelly kill ! The demonstrat on of the fact exples the puzzling later t period n irra

distion I all no m I and pathological cli of the an mal body h certain term of hie it rwh h they die and d upper if the capacity for reproducts nes destroy I a defet n the tissue mu i ari e at the end of the physicografic m of life. The is actually the case when the capacity of the cell for destroyed by radiation Just after the rrait to the cells at pear m | p tac thy how ese thy le with the hist logical picture of cell degen r tio t drth se reum t nees the ffeet of the irra hati n mu t appear t the late t period the gth f whi h corr po is to the gth f lf of the cells affecte! The most h act n tiem mif tat n fth is seen in the l te uic rs wh h sudde is ppc sometime m nths after the reads ton n napparently

This inhibition of karyokinesis is the characteristic reaction of the cell to a certain moderate dosage of tays, which is liferent for each lind of cell A smaller dose stimulates LaryoLinesis a larger one not only inhibits it but bills the cell directly. This law explains only the most noteworthy phenom us of latency and does not hold good for the reaction of all cells to the tays. In some kinds of cells there is no litent period forexample the nuclei of i) mphodiation and the reaction begins at the same time whatever the dosage The differences in the sensi tiveness of tumor cells to the rass is explain diff we go back to the tissu's from which the tumors originated and determine their quantitative and qual tative differences with regard to the action of 4143 K. Harrens

Hallam J: Prutecti e Lifect of Hallum Lenana tions on the becoming Sensal Characters of Tritons (Prot til e Wat: g der Radi memanation uf der sekunderen berunkharaktere der Triton n) Zu a.d. f Gyad: 1914 zu m. 464. By Zent Ud. if der en Gyad: u Gebruch & d. Germech.

Small doses of radium and rootern rays ha e a stimulating effect hastening the germination of aperm in certain species causing parthenogenesis of unfertilized eggs, increased activity in the le el-Larger loves have an inhibit ry effect inhibiting the growth of fertilized ove of Bulo vapides and Traton alpeatrs and killing growing mice and other plant and animal organisms. Radium moreo er has a protective effect on the secondary sexual characters for example in male Tritons the crest which des long in these sounds at rutting time develops to a much greater legree when the animals are kept in vessels and subjected to the action of a certain quantity of radium erranation. This crest can also be des loped in male Tritons shortly before and after the rutting period. In female Tritons symptoms of rutting can be developed a long time before the rutting period the yellow att pes on the back increase in size and become desper in color It is not yet decided all other the emanations act directly on the sexual characters or whether th y stimulate the sexual glands to greater activity and that this acts secondarily on the sexual charact its

INK THEY

Martung, A.: X Ray Findings in the bormal Stomach. Swy Gyme & Olst 1914, Will, 757 By Surg Gyne, & Olst.

After briefly mentioning the technique used in making rootgeneding examinations of the sounce the author describes that organ as it appears at rest and in motion in apparently normal individuals variations, Dow allow size being made for individuals variations, Dow allow size being made for individuals variation, for allowing the size of the cow being the part of the to the faith book set the cow being typic faith the faith of the cow being typic faith the faith of the

The position which the normal toma is occupied in escentially vertical or oldique although here also only de finderects may induce marked variations. Size determinations are of lattle value except in sofar as it is possible to be able to successful how the stomach sets of definite amounts of the opaque me! I are ingested. Vormally the atomach will adapt themselves closely around its contents.

Utention is called to the multiplicity of names applied by diderent authors to the same parts of the stomach and a greater unformity of nomendature is urged based preferably on the nantomic days in by forself. The stomach is described during the process of filling muning of its routents, and emptying. Ment on is made of the perutabase and inhaster action, concepted in this process.

Sellbeim II: Irradiation of Tumors (Strahlerbehandlung on Geschwisten) Desirch mei Kriss is 19 4 1, 22 By Zentrikk I. d. ge. Gynak n. Gebartsk n. d. Gronzeb.

The is a propagned for the protung of radium, in which the subtor reports the effect of nutries and radium rays on hing and tissues both the appetral and deep feet. He great the differences in penetrability of the different kinds of rays the tools of the consultant and the region of the subtornal and publishers the different degree of sensitions of normal and publishers tissues, showing the degractive effect on the gental glands and tentucly the subtornal and publishers of the subtornal and publishers of the subtornal tissues. The subtornal the surrounding healthy tissues — sensiting the surrounding healthy tissues — sensiting and subtornal and secondary rays.

GYNECOLOGY

UTERUS

Cobb, F: Cancer of the Uterus Best M & S J 1914, clax 861 By Surg Gyace & Obst.

The author summarizes the value of the paper as follows

It gives a complete analysis from the stand

point of end results of all the cases of cancer of the uterus at the Massachusetts General Hospital for fourteen vears, from 2000 to 1913 inclusive 367 in number of which 70 were my own personal cases It emohassizes the importance of early disg

2 It emphasizes the importance of early diag noss of cancer of the cervix and distinctly shows the possibility of cure by the extended abdom nal (Wertheim) operation, and describes certain original methods of operating which are of importance

The need of awakening the public to the fact that irregular bleeding at any time in a woman is lie may mean cancer of the cervar or uterus and should be un entigated is shown by an analysis of the 367 cases reported of which ago 63 8 per cent came too late for a radical operation in Myethems statistics, to per cent were inoperable. The ignorance of the laity as to the nature of the disease the insudous onset the neglect of medical men to cramme their cases or their mability to recognize the importance of cond tions found are responsible for this high mortality.

mortatily irregular bleeding is the most common early symptom pain as a late symptom. One year as at be symptom of the year as the symptom of the region of

The autho had good results in cipht cases in which he supplemented the curtting and cauternat on by opening the abdomen and ligating the internal line actrees the relief from pain and hemorrhage was remarkable. Both internal line arteries are tired to the control of the contr

In det runing which cases should be operated upon the necessity of an exploratory laparotomy is ad ocated. If the decided not to do a rad cal operation the palliative peration of ty g the internal lac arteries can then be done. The general

condution of the patient must be considered. A long tedious operation should not be done in a feeble subject nor in an extremely obese patient. In the latter cases a vaginal hysterectromy is a vised. The possibility of determining the operability of a patient w thout opening the abdomen to explore is considered very of finit.

Werthern report in 1912 showed he had done the radical operation 675 times 380 were done over five years previously 160 of which were cured over

4 per cent

In the author's senses 17 vagnas hysterectomies were performed with no immediate mortality Fourteen of these were done over five years prevous, eight of which were traced with two curses 25 per cent. As to per cent of cures is the average in yagnal hysterectomy; it is advised only for cases in poor condition or cases obtained very early in the course of the duesase

Abdominal hysterectomy for cancer of the fundus was performed 27 times with an immediate mortality of 4 Fourteen cases done fix e years or more previous were traced showing six cures, 42 8 per

Abdominal hysterectomy for cancer of the cervix was done in 80 cases simple hysterectomy 40 times and radical hysterectomy 40 times. By radical hysterectomy is meant the removal of the uterus and a liberal portion of the vagina through a median abdominal incision with thorough dissection of the ureters and bladder and the removal of as much of the parametrum as possible, the regional lymphglands being removed only if palpably enlarged A plea is made to have cancer cases treated only by specially trai ed men to whom this radical opera tion is familiar. It is believed that a much greater percentage of cures could b obtained by men spe-Calizing in cance case In the 49 simple hysterec tomies the immediate mo tality was 17 or 34 6 per cent Of the 26 traced ca es 5 were cured, 10 per cent. In the to radical by terectomies there was an immediate mortality of o or 22 5 per cent the survi ang 3 cases 14 had been operated on over five year, ago and 7 were cured 50 per cent. Septic perstorut s and shock were the most frequent causes of death in the abdominal hysterectomies.

The important factors in the radical operation

The preliminary preparation
The ansisthetic with special reference to the prevention f shock

3 The abdominal incision

The freeing and handling of the uret rs Removal of the parametrium and glands

6 Control of hemotrhage

I revention of pant teal infect n nd im plantation nota tasis from the growth itself a Drainage on lafter trustment

In reparing the resent the functional renal test, it is n a per nature 1/2 or first an licetal pertain in line assess with eare, we harmore things currenting and withers thou are I near not reline that the major and the first time stallowed for the potent in I now The vagnation of the readreal operation is I now. The vagnation of major all white great and water and a at 1000 both if it I be used. I also provided the current as I could be supported to the current as I could be supported to the state of the current as I could be supported to the
The artiticisty it by a by irrac of growing from this property of the first incidence of th

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The atter method (Fandling the untral addition. Mit rithe arman atterts has been it and the Irosell attent per large it is the lower large it. It have been a superior and per large it is the lower large it. It have been a per large and a per large it is the per large it is the per large it is the per large it. It is the large it is the region of the large it is the large it is the large it. It is the large it. It is the large it. It is the large it. It is the large it is th

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ment the had of the bed is elevated ask volution given per it tim as indicated and continuous cathet reaction couply be for three or four days with unstrop ne by mouth to prevent cystic a.

Five out I the last ux cases operate I on by the author ha e been cured by the radical peration.

Begrais, P and Bellot A: Cancer of the Lierus, and Radium C and Pract of Rev. 1914 ur. 334 By Surg Gyace, 4 Obst

The authors got very controls the result in the radium it aim at fear of the uterus and the radium it aim at fear of the uterus and the radium it aim it fear groups for the aim in the radium it is sufficient to the limit to the regard radium as a valuable service of the radium in the regard radium as a valuable service of the radium in the radium and the radium in the radium in the radium and the radium in the

th lesso s, and the set nij. I the g ner! rgaze in a cation of the affer that there has n to be n a ale ase in he's the part at be or a length of the cation the rabout trainment. To of the swept s, i n and have rish ge are al. if a rably into ed. in which in three is no heave of many that is a result of the properties of the propertie

th author for preliminary unitinge. It is atthorn he intaged two cases of sarroms of the utru. The next we in which the time in the grant of the second of t

CILDS S

Rassogledoff Primary Result of Radium and Roang in Treatment in Inopurable Cancer of the Li rusa, and in Past-Operati Recurrences ("De li maren Res liat der Radium und Roatge ihr. 1 may hlem Gehärmniterk les nd.] w. i. R. dir es). L. ack Ge.

I the c ra x

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Combined treatment with radium and rongen raysates the beginning of the reaction without having any effect on its secretly which depen is more on the extent of the process. In the weight ge etaily decreases in the beginning of the treatment in some case the decrease persists in others the weight gardauly returns to normal Blood examination does not go e uniform re ultis. The local changes any Ordinarily the dictinger is at first increased

an I becomes scropurulent The odor disappears and the harmorrhage stops usually after three to f ur weeks. The tumor contracts the ule rs become clean and covered oner with a throus layer and stenos takes place in the 110 mg a arou. I the ulcrations Infilirations disappear and sold bland take their place. I our distands case hi tories are given with the microscope fonding before and after

rradiati n I rom hi experi nce the author comes to the

follow g conclusions In moperable cancer of the uterus in recurrences and n ases that are not very fr ad uff er nily intense combined treatment with filtere I rad um nd rontgen rays produces mark d mpro ment or even clinic lire ov ry with the di appear ance f all symptoms Such impro ement has before been obtained with vk d of con servati e local treatment. Ca cer cells are un d ubtedly destroy d by a ufficient dosage of r v In two c ses the detruction of ance c lls wa microscopically demo trut dit a depth of 1 cm Deepe layers we not xam ne i a d th auth r therefore expresses n opt n in regard to them The perm nt re ult annot be report d as the time too h rt-of by a nd 54 day

I ahm W. Liffect of Radi m Mesothorium Treat ment on Carcin m of the Cerius (Uter den I fluss R di m Mesothori m b strahlung f da (r. arr nom) If nat h f Geb / h

. 04 1X 70 B. A. tralbi i d ge. G mak u. Geburtsh d Grenzgeb Th auth m nt as that the results of reading tin re lue to t ar nation as plem t l b l uco) t ferment t ar nation as the rays, sun lestroy the tum r t t by bit by ph gocytous nd it is then ca i to the blood ir am. The auth comes to the co cluston from the exact observation and m at n f re noma f the cervix treated t at rv 1 f8 1 5 w th 4 000 millig m hours of mesoth rim i 5 m ligram h u s f radi m It i re il n ze an i th hist logical examina tto haved ha ge which led to the conclusion t th ly ase which h an atrophy i Г'n t sou d rgs t kes i t ce through phagoc; tosis as Met h k fi a d h s tud nts h , show thagor tos pl pa t n the destruction of nor th m t m rphous f many animals m lorg ns nst in p the transformation of the wand go h loth man and the disappe nce of th t l. tadpol It is nt rely possible that

carcinoma metastases may be influenced in the way This hypothesis has ung been recognized the dowage should be regulated in accordance with it and the phagocitic properties of the blood stimulated in every way by the injection of autolysms blood or crum. The same principles must be followed as those generally recognized in immunization aga natinfections. If metastases have occurred or marked cacheuu small or moderate doses should be given at first in order not to overburden the reactive capacity of the body and thus bring about the opposite condition to the one intended

k Horry

Schickele G: Clinical and Topographical Ana tomical Study of Myoma of the Cerux, with Remarks on The Operatie Removal (kil a ische nd topographach anatomuch Stud a uber Cerusmyome nebst Bemerlungen the thre opera

1914 lxxv 684 By Zentr lbl f d. ges Gynak u. Geburtsh d Grenz, ch

Futfernung) Zis k f Gebu isk u Gandh

The author tries to make clear by a series of cases the localization direction of growth and relations of myoma of the cervix to neighboring organs and to draw practical conclusions in regard to operation from these fact

Large myomata of the posternor wall of the cers, ladd to obliter to on the post nor hip of the on and to typical displac ments of the uterine artery out to typical displace ments of the uterine artery out ward and of the bladder and body of the uterus upwa of The uterters are generally | placed out under of odos warded in the tide upward the latt r is only except tonally the case if the p many seat of the tumor is beneath the uterter and the r is pronounced growth of it into the parametrium Ordinarily these myomata grow unformly in all directions the control of the cont

proc eding from the interior or posterior wall The topog aphical displacements of the neighb r ing o gan e mor complicated in mult ple my oma tous nodules separated from one anothe here there is generally displacement of the ureters upw rd also the nfund bulopel c bgament and the adnexa n be dislocated upwa d as well as the sigmoid fle ure These displacements however can always be expla ned by the original position of the tumor d the direct o of its growth. Th refore it be comes necessary f possible before the operation or at any rat at the beginning of t to determine the topographic i relations. This can be partly ac c mplished by ext nal and combined ex minat n best by t ansverse incision of the anterior peritone m and examination of the tumor comple from before backwards This go es a certain typ cal method of oper tion the most essential point of which is the ly exposure of the nt rior will of the cervi and incision f th vagina is to the growth of the t mor Stuckele com t the conclusion that n general it takes place equally on all sides and in a straight hine but it may show an unsymmetrical growth which is not dependent entirely on the resistance of the neighboring parts, but is influenced by the contractifity of the uterine musculature

WEATE

Beckmann W Study of Heterologous Mesodermic New-Growths of the Cervix (Zur kenntu der heterologen mesodermalen Neubidungen des Gebirmutterbalses) Zinche f Gebs ish s. Gy 4k 914 [knv 566

By Zentralbi i d gea. Gynak u, Geburtsh a. d Grenzgeb. A 22 year-old nullipara with a bilateral catarrh of the spices had had a white discharge for 3 months and at the last there had been an almost continuous bloody discharge The vagina filled with a soft polypous tumor as large as a fist originating in the cervical canal The cervix and internal os admitted the finger, the cavity of the uterus was not increased in size and was free from tumor. There was thicken ing and lengthening of the anterior hip of the on from whose surface arose another tumor as large as an egg. There was also a tumor of the posterior lip which extended into the posterior vault of the vagi na. The parametrium on both sides was infiltrated Under lumbar angesthesia the tumor was removed with the finger a sharp cutette and scissors cervical cavity was cautenzed but radical operation was not undertaken on account of advanced cachexia infiltration of the parametrium and suspicion of sarcomatous metastases in the lungs Three weeks later there was recurrence after a more weeks there was involvement of inguinal glands and a large tumor reach; g to the umbilicus and extending out of the introitus vagina was again removed with the finger and scissors. Cautemation was followed soon by death. The diagnosis was sarcoma of the cervix and left ovary

A detailed macroscopical description of the tumor is given and it is compared with others described by other authors. The tumor was of embryonic tissue from the mesodern which by unlimited proliferation of cells formed a sarroma. The cutology and course of heterologous crivical sarromata are discussed.

Henthin W Eriology of Myoma of the Uterus (Zur Auslogie der Uterusmyome) If natiche f Geberiek is Gyndk 914 kriix 50 By Zentralbi. f d. gei Gyndk Geburish is d Genzgeb

In reply to Freund a suggestion that defective development in general and of the gentialia in particular is responsible for the development of fifteenmonate, two cases are published in both of which there were multiple myomats of a bepartie users in one case there was also a septim of the vigina and in both described the septiment of the vigina and in both described the septiment of the vigina and in both described the real to the constant the same the only cases of assomily of the sterms in qui utent removed for myoma and also the only pattaces in which my ms developed

among the 24 cases of duplication in the genitalia Genital anomalies, therefore can hardly be considered seriously as a cause of fibromyoma Moos

Mahler J: Myoma Heart" and Deep Irradiation ("Myomes und Tiefentherspie) Wed Kl. Bed. 1944, z 588. By Zentralbl. f d. ges. Gynšk. u Geborish. s d. Grenspik.

By Zentzihli f d. ges. Gynik: u Geborths, 3 d. Grangel.

The author believes that the pathological changes
in the heart found on autopsy of women with mymais are the total result of the fultyr cause by
harmorrhages and the change in overan function.

According to do se sepenence the first heart symptom
observed in myoma cases are functional disturbance
observed in myoma cases are functional disturbance
to which symptoms of hypertrophy and dishlation
are added later. The cause of these symptoms is
probably almorrial innervation due to changes in
the tomus of the autonomous and vegetative nervous
systems.

In 11 cases of myoma with heart symptoms and demonstrable changes in the heart the author got marked improvement by the use of rontgen rays The subjective symptoms disappeared first, and later the objective ones the most important change being a retrogression of the dilatation. Results were obtained in three cases in which there was a beginning lack of compensation liteart changes and anemia do not constitute a contra-indication to irradiation of the myoma. In one case a marked fall was observed in the high blood pressure. Five cases of chinacteric hamorrhage were also favorably The most lavorable affected by deep irradiation. The most favorable effect of the irradiation is due to the fact that the ovarian secretion which has been changed in quality is either done away with or brought back to normal The technique of the irradiation is described

Don

Broughton Alcock, W Treatment of a Uterins
Abscess by Sensitized Bacilii Protei Brs. M
J 9 4, I 1 24 By Surg Gynec & Obst

The author reports the treatment of an absence which dramed through the cervaied stump following a subtotal hysterectomy for fibrons. A culture showed a pure culture of bandling proteins: The patients was given that yearned founders, and, at culture of the bacili derived from the pus One hundred millions were given the first injection and two thousand million the last. The bacili were the contraction of the c

heated to 66° an hour before administration.
On the eighth day after the last injection of these
dead hacills so cem of blood was taken from the
patient and used for the preparation of an autogenous vaccase consulting of living bacills generated
contact with the sertum of the patient is blood, who
was nich in amboceptor and specific gglutnating
qualities.

On the tenth day after the last injection of dead hacili, injection of the sensitized surgenous varcine was commenced one injection being given week by to four weeks, and the dose increased from four hundred million at the first to one thousand million at the end Very slight reactions followed the in jections At the same time the abscess was washed out with a dilute antiseptic solution. Although there was no evidence of pus after the fourth intec tion, four subsequent injections were given sex months there has been no evidence of the infec C H Days

Miller J W: Corpus Luteum Monstruation and Pregnancy (Corpus luteum, Menstruation und Grandriat) J. et J. G. ik. 914, c. 186 By Zentralia, I d. gra. Gynal. u. Geburigh. s. d. Grenegeb

There is a fixed relation of dependence between ovulation and menstruction and the rupture of the follicle precedes the menstrual di tharge by about o days The corpus luteum is ep thelial in nature This hypothesis is supported by the history of devel opment and the appearance of colloid drops. In the development of the corpus luteum there is first an increase in the theca interna by the deposition of fat and then an increase in the granulosa cells by mitotic d vision After the rupture of the follicle the granulosa cells are transformed into lutein cells by taking up I pord combinations and Jellow color me matter then follows vascularization and immi gration of connective tissue then retrogression At this period neutral fat can first be demon

The corpus luteum of pregnancy is distinguished from that of menstruction by the almost complete abse ce of the fat reaction colloid degeneration and deposition of calcium. The corpus luteum causes the cache change us the endometrum and the decidua and makes the implantation of the ovum

possible In connection with Frankel's e periments a case is reported in which after the beginning of pres nancy the corpus luteum was remo ed and retrogression of the terus took place without abortion after the type of the absorption of the egg-chamber in rabbits Lactation atrophy is not a reflex trophoneurous but the result of the wathdrawal of the corpus luteum The toxicoses of pregnancy may possibly be due to hypofunction of this organ Among 10 to 50 ovaries removed by operation the corpus luteum was facting to on case of eciamosia. In another case of eclampsia there was a cyst in the center of the orpus luteum \othung could be seen of the normal epathelium. An internal secretion cannot be demonstrated as rd by the complement fixation method for the hormones do not cause the f mation of antibodies Experiments with vatal staining ha e as yet had no results. Menstrustion is only an unburdening of the hyperminic uterus Rutung and me struction are different phenomena The menstrual blood is possibly a nutrient fluid for the ovum. The tenth day before the beginning of the new period is the most suitable time for artificial impregnation Only the ovum of the first missed period is implanted. The duration of pregnancy should be reduced to days Restroye

Driessen L. F : Endometritis, Resulting from Abnormal Menstruation and Causing Profuse Harnorrhage (Endometrius lolge bnormaler M nstruction, ursache profuser Blutungen) Zen-i alli f G) sk 10 4, xxxim, 6 8 By Zentralbi, L d. ges. Gynak, u. Geburtsh, s. d. Grenzgeb

Driessen examined a series of women some of them totally and some of them probably sterile and discovered a peculiar kind of endometratis which he called incomplete post menstrual necrobiotic endometritis the clinical symptom of which was profuse hemorrhage microscopically it was manifested by necrosis hyaline degeneration in filtration with multinuclear leucocytes dilatation of the vessels cystic dilation of the glands prolifera tion of enthelium and deficient glycogen also by signs of incomplete regeneration of the mucous membrane such as are found in endometritis follow ing abortion The explanation is as follows

In the normal course of menstruction the mucous membrane is cast off and a new one formed but f oxulation or menstruation does not take place normally, the casting off of the mucous membrane m y not be complete and the remaining necrobiotic particles cause an incomplete regeneration of the mucous membrane as do the remnants of an abortion or of the decidua Recovery can only take place after the removal of these remnants If in spite of this procedure the abnormal casting off and regeneral on of the mucous membrane recurs the only thing to be done is to castrate by operation or better still by irradiation.

Vantrin Th Treatment of Inversion of the Uterus Should Be Conservat e (La cure de lus ersion utérine doit être conservatince) Res proi d'obst et d gyade Par 19 4, 78. By Zentralbl. f d ges Gynol. u. Geburish s d Grensgeb

The most unusual form of inversion is the idionathic in old women its treatment should always be surgical. The partial or complete inversions caused by tumors should be treated conservatively by removal of the cause except in cases of malignant tumors when hysterectomy is indicated. Puerperal mivers on should be treated at once by reposition with the hand pessary or colpeur, nter In chronic forms if these mild measures fail anterior of posterior colpobysterotomy should be performed Vautrin prefers long incisions to the fundus to the shorter ones, and the posterior to the anterior and does not use the abdominal route

Cuthbertson W : An Improved Gillians Operation for Uterine Displacements. 5 g G; ce & Obst 914 EVIL, 721 By Surg Gyner. & Obst.

The 41 zander operation was formerly one of the mo t widely used in the correction of uterine displacements, but was applicable only to those cases which were free from adhesions and injections and those in which the uterus could be drawn forward Any operations which involve the use of the broad ligament are wrong in mechanical principle and t the perat of

would seem that the round I gaments are the most useful structures for correcting these displacements by drawing the uteru upward and forwar! I he only objection to the ruse being their todency to pull out of the ruser anchorace

The first tep in the new peration is to make a lannersticl laction across the locar abdo in and enter the perit neal cavity through a small m han acris at me on

The round is, ments are then drawn through the miner had mand with, as in the filling pression with a walple a strip of faces, from the external bidger as point up to a point also with the external bidger as point up to a point also with the addonner. If the property of the strip of the str

E crke: Pitultin and Rupture of the Lteru (Pitulting m) Ruptur ut n) Menunder f Gebort h 6 st 9 s xu 555 By 7 tr dd f 1 ges () jak Cebarton a d Grenegeb

The patient was a \ para whose previous d is r ies hall been normal. When the us was blated to the use of a t e mark purce the untacts s be c m neal and o je gr julu inn was gren s beu tantously Strong ontractions follow d and after nucl are se ban sed for and bus ear and se ere puin in the abd men. The woman was by ught to the host tal mornbund \ room was ; riormed and the child who has in the liminal 15 Was 1 tracte ! Laparotomy ho ed that the uterus was completely rupture! Suturing and tamponing were hastidy done but I ath could The per show I mark I general o tractio The child was full term In the earlier d he nes the fixtuses must have been ty mall Th ; tutten aund the supture bet use of the di propost a between the size if the head of that of the julyas

Ilaim b. Prophyl sis of Ge eral Persionilis in Operations on the True P 1 ls. Lapschilly in the R dical Abdominal Total & itrpation of the Letters for Cartinomes (*) that age der ligenesse i rivol to the toosen and is a first a thick-enders del et ar et erabbomise carbon and the control of
Surgeons have found that the perstoneum of the true pelsa has slight capacity I r absorbing septic products and lends stacil more read by to de mage Therefore, in three c ves of operation for carcinoma of the ut rus, at the lose I the operation I im after suffice all by part sizing the connective tissue.

surfaces, shut off the alad m sal cavity from the pelvis with a septium farmed as follows. The crease and the agmost ifecture were sourced to each other and to the antenor and postforer parted pertineum by utilizing the different mecunitarial by the cream and the appendix and the appendix of the cream and the appendix and the appendix of the cream and the appendix and the properties of the ficture. The procedure I tender that the process of the first that the process of the process of the first that the process of the process

Villechalse P 1 Total Abdominal II; terectomy by Anterior Section of the Gerele (L hysteresome 1 homeale totale par dividiation tereore) The 160 dat 1 ar 19 4 lby J urnal de Christie.

It present most surgeous regard this method as an e. cysimase he author folio ing keend and Martel surposes he author folio ing keend and Martel surposes he author folio ing keend and Martel surposes in the use of the borrowed from Mart I which fasilistic the procedure suching ag it he found legaments and dissecting of the ant toor jeent seam of it bladder before set toning the uterus, and pre-reture clamping of the uterus arrivers after the photastics of the post for a first present of 11 of the 10x1 figurous with the finger the posters and the process of the process o

The technique whichern bil stude affected in salpingnists to he reison of from below up and, as alpined set by the mean of no melow up and, as a speed set of the towards to the student of the set and to batteria and posterior foromats of the uterus. The gracer own junt to be one lea aguant the operation in that the primary section is that the primary section in the errors of up the distribution of the section of the sectio

Markoff L.; 5 dd n R Lazation f the Uterus in Curett go (Uber die phitzliche Erschliftung des Lierus bei Minneuer) Irac i Violog Um

S aten 1913 by 130 By Lentralid I d get () nak Geburtah a.d. Grenzg b

The author r ports four ass of his own and dre sees the clausal preture of audden relatation of the uteran which was authentically demonstrated by Beutier; now The course in all four cases and the state of the sta

Fr il quesing factors in sud len relaxation re s b involution hy plassa metritis, anzima, nd de gene ative changes in the aric b t th real cause is organic or functional in ufit ency of the ut n muscles. The mechanism of the sudden dilatation is not yet clear \esther the introduction of a foreign body nor stimulation of the uterine ganglia can be held to be the cause especially when the rarity of the condition is considered. It is certain that the audden relaxation is caused by a mechanical stimulation and that it is dependent on the condition of the uterine musculature which may be insuf ficient in which case it is more quickly exhausted The result is a temporary loss of the capacity for con There may be difficulty in making a differential diagnosis from perforation but this can be made in a measure from the contractions that begin again after the relaxation. When the relaxation takes place all instruments should be immediately removed from the uterus as contraction may take place and cause a perforation

Fuchs, J. Experimental Study of the Effect of Expressed Juice Extracts from the Thy Property of the Property of the Robb ts Uters in Vitro (E perme telle Un rachingen ber die Wirking von Pressation d Extraktaus Schilddrus Lenstock und Pinerta a if den berlebende kannishen terus) Zit kr f Geburt k G ank 19 4, kr 653

By Zentzihli f d gas Graak u Geburah d Gemarghe Fuchs made experiments a titre on the uters of rabbits that had been pregnant. The expressed juices were prepared as follows. The organ was macerated in meat-cutting machine ground in a motur and expressed with the Buschner press. In some of the cases the organ was previously assisted out in distilled water in others the juice was first out in distilled water in others the juice was first prepared with physiological all solutions. part substance to o parts sail solution and in some f the

case 12 per cent of the olume of 00 per cent car

bolic acid was added

Merch, on anna extract and knolls on araden were also tested The results were as follows (7). The greater part of the fluids were without much fleet (1) the expressed junce from the thy road had a stimulating effect (2) expressed junce and extracts from ovarine ge really had an inhibitory effect (4) expressed junce and extracts from extract from all the organs with earthor expressed also y had an inhibitory effect wh h was to be sampled; it is earthor expressed as the context of the earthor expressed as y had an inhibitory effect with was to be sampled; the carboic existing the earthor expressed as the expressed as the earthor expressed as the expressed as the earthor expressed as the expressed as the earthor expressed as the earthor expressed as the earthor expressed as the earthor expressed as the expresse

ADNEXAL AND PERIUTERINE CONDITIONS

Neyer R P thological Anatomy of the Ovary Oophoriti (Bet age pathologueken Anatom des O an ms Oophoritis) Ziris f Get n k G dt 9 d izz, 50 B, Centralbi f d ges Gynak u Geburtah a d. Gernzgeb

\ case of cut follicula cophonitis after septic bo tion is described in which the follicle and it mined are surro and gis are almost e clusively | ed | Important points | the diagnos | f hronic oxphonits | re influration granulation its

sue and abscesses also besides perioophoritic changes the presence of cedematous circumscribed parts with rarefication of the tissue and loss of the narenchyma with sclerotic scars Demonstration of advanced degrees of epithelial proliferation under and in the adhesions of the ovaries especially in adhesions with the tubes. Solitary abscesses arise from infection of the corpus luteum at the point of rupture from the perioophoritis. It is impossible to make a diagnosis of a given abscess as a cornus luteum abscess because the lutein cells are immediately destroyed The ovarian abscess heals by the abscess cavity becoming hard with epithchium from the surface of the ovary or the fimbria. The cavities are then closed off as cysts Pseudoxan thoma cells appear under the epithelium with oth r remnants of the inflammatory process

MORALLER

Cattaneo, D Structure of the Ovaries in Viam mals (Ricerche sulla trutt ra dell'ovario dei mammi ri) 1 à ial d sai d'embr of 914

By Zearnish I d ges Ornah u Ceburab d Grangeb Nearly twenty different methods are described Golgs Fananas Verrati s, kopsch s Bendas and others and Cattaneo humedli studed the endoplastic structure of the ovary cells and especially the cells of the ovan He got the best results with the ovan n s of different hands of batts but also examined those of arrous kinds of mammisk, up to man

He comes to the conclus on that Golganetwork as constant constituent of the ovum cells with a characteristic arrangement which i subjected to certain changes in the course of development and which is to be regarded as an important part of the cellular structure. The network is found even in the undifferentiated germinal cells of local even in the opposition of the valencia of germinal cells of a valencia of the valencia of the control of the valencia of the

The findings and questions in regard to the mitochoundar a very complicated these have long been known and described but they are extraordinarily inconstant and unsprectic in their morphological and microchemi al characteristics and three are many not very well funded hypotheses as to the r physiol gical function. Renaut considers them electric origina for extracting secretions. Views the last they are organs of abentiance. The author could not confirm th finding of some suithors who belie e that the mitochoudra are directly transfered in the confirmation of the suither trans-

Bucura, C J Theory of the Internal Secreti n of th Ovary (L Theorie der inneren Sekretio des Lierstocks) Zeutralbi f Gynak 19 3

By Zentralbi I d. ges. Gynak u. Geburtah. d. Grenzgeb Bucura tries to show that the corpus luteum i to be reg. rded as the histological continuation of the

follicle, which has discharged its ovum and that it forms hormones that have the same effect as those of the intact follitle which he regards as the only source of the internal secretion of the man theory may hold true for man but in many species of animals it cannot be demed th t the interstitual glands have an internal scentury function. These cells, which are formed of stroma cells and again become stroma cells, and in distinction from the granulous lutera cella are connectu e tusue in nature he regards as cells which are only changed morphologically by the assimilation and storing of hormones and physiologically are only past a storehouses for hormones Bouin and lacels mioustusi ducțies flaud, je spo btopopia oula A place where quarran burmones are stored. Lineura also believes that the placenta and farus must have the same hormone effect as the full le as they are descendants of it. This theory would do an vanh

the accounty of assuming a special internal se-Autouth, Let Gold a Network in the Cells of the Otary (Der \ teat pa at on toli in a a Lellen des luctatentes) A & f miles ! p faul told

ILOSTÁTTE.

exetory part of the overy

le sie, tes ly Zentesbi I d. gra Gynik u Geburtsk a d. Grenzgeb.

The author used for his work the oxatics of cats. ious rabbits guineas ge white rate in thederhoes. He used bolers method of sil er staining and fol lowed Riga es d'rect out, which are cesented The findings as t the netw rk in the iffer at Ils re green in I ta I with ev ore I llu er tlons results are a follows. The network is for i in the germanal es thehum and in the cells figurating from it in the young um tells in il foliulir enthelium, and the cells of the c tous lut um It is lacking or at least cannot be d m instrated in the ovum cella of the E aufan fol le Inth 1741 a med cells it is present during in tons aid causes harac terratic changes in f rm and position M ze

incoresco, It: Physiological and Therapeutic fitted of Lipoids of the thery and Corpus Luteum Stimulating to Julia is of the Same du corps | a finds physicis is et el ere et du corps | a finds physicis in et iterapeutique) Res d D et 1 d du chien Par

10 4 st, 6 By Zentrallel I d. gra. Gjark. Uchuruh d Grenzeth. The product of at that secret a have been

devi i into two classes (;) those whi h are used directly by the organi m 1 () those which i eu tralize certain toxins produced by the body author discusses the conception of hyper and hypefunction of the glands with int ra I se ret on Among the substan es see ted the boold play an important part and the uthor goes I to a detailed discussion of th ir sig Bean e

The lipoids of the overy the corpus lut um the testicies, the ri i blood its et are studied. There are two groups of upouls () those that are stimulating only to the same prizes and (2) those that are st mulating to ther species. The orrang of internal ecretion contain mixtures of broads which may be s ry liferent from one another compast life to the three very different ferments of the panereas. The o ares when placed in alcohol. then dived and pulvenged, then slowly extracted in actione ether, as d chloroform | ruduce an extract which is soluble in al obol injoinble in actions and soluble in ether

figuer L. The So-Called Struma of the Orary; a Study of the Histogenesis of Ovarian Costs ther de so changes Strums mant Bestrag r Hat genene der Ons ubjetene). Finder f Gebart is m. Gynad 1914 hers, 617 By Zent allel i. d. Sen Gynad u Celustals s. d. Grenenb.

The uthor fearnbes a very exact macroscopical and microscopical study of a so-called struma of the o sry It is shown hat logically that the turnor described originated from the surface epithehum of the overy lad ne could not be demon-trated in the soliadal secretion. Although the hutol rical to tute was markedly similar to that of true guiler there a no proof that these tumors are either metastases from gotter or teral mata with de elegement of the road tissue exclusively but us such that the are also found in ordinary cystadenomata the author concludes that strums f the orary is only a cystad some of pecul of f rm.

The previously described cases of stroma of the orary are probably also to be explaned in this ay e on those in which besides the goster like tissue, other con I tuents of true tetatoms are to be found since terat was and co tadenums not infreq ently togast At the same I me the butul areal pictures show that cy ta lenomata m , originate from the surface or the um RES REE

los hiein Corsistence of a Hydatidiform Mole and Bilateral Colloid Cysts of the Ovaries (h praiges user Blacensole mu depociat leges he handysom der Crarice) M southe f Ge-best à Grant 1912 i 561 By Zostrabl i d.gra. Grants u Geburish a d. Grantsch

Laparot my was perl med on a 15 year-old woman in the sec nd month I pregnancy with a cha al di gnosis of increasi g retro-uterine hama torrie with intra ut one pregnancy. The uterus has the use of a five months pregn pry There was at mor of the ght vary large as a fist sthe twisted ped the and one of the I it ovary the sale of a chill's h ad, mearor rat din th pelvis the lat ter had simulated a har a occle. Three bours after the operation a hydratid orm mole was spontaneousco sers to ly O the math da the rest of the mole was removed by use of a use in the pulse. Reco ery followed. Microsor se examination also ed absence of vil Langhan cells and Incytial masses, that is, the mole was I mgo according to

Antonetti G : Experimental Study of the Effect of Ovarian Castration on the Blood Picture (Ricerche perum tali torno gl eff tti della castrazzo ovarica ul sangue) Polici Roma,

914 11 97 By Zentralbl. f d. ges Gynak Geburtsh d Grenzgeb The removal of the ovaries from young dogs that

ha e just become sexually mature leads to changes in the blood picture consisting of more or less marked decrease in the number of red blood-cells and decrease in hamoglobin In certain cases there a moderate degree of leucopænia with relative lymphocytosis or mononucleosis \fter about two months these cha ges are compensated for From this it appears that the ovary under physiological con litions has an internal secretion that exercises an effect on the blood f rming as well a the leucocyte forming organs 10 5 05 05

Wichmann S E The Epithelium of the Append ages of the Broad Ligament (Cher das Epith i d A hangsgebilde des Ligament in latum)
A ch f G) als 0 4, 11 70
By Zentralbi f d ges Gynal, u Geburtsh s d Grenzgeb

From his research the author comes to the following conclusions The first chated cells in the millerian cuthchum appear at the beginning of the fourth month of intra uterine life and appear first in the epithelium of the fimbria of the ovary. The formation of cilia then gradually passes down the tube and reaches the cornua of the uterus probably about the seventh month. In the new born the chated cells at the fimbria of the o ary and in th lateral part of the tube are about as numerous as the non-culated on s

The first cultated cells alw vs appear in pairs therefore it may be assumed that the formation I cilia takes place in ery young daught cells fter cell d isson. The epithelium of the pen ap pendages ery simila t that of the fimbri of the ary from about the se enth month the devel

pment of the pathelaum f the closed ppendag the hydat ds diff is markedly from the t of the open ones probably because of the changed condition in a closed cystic pace. In the hydride the epithchal picture varies in diff rent cases and in different parts of th sam hydatid chiefly in consequence I the differe t secretory conditi f th pathebal cells In the acts by secret g parts of the hyd tid the large and beted cell f rms predoma to while the rests genthelium contas sonly a few that d lls buch are mostly low and) h drical or cubic : f m (reque thy with ce t lilagellation

Netto A Appendicitis Associated with Inflam mation of th Adnesa (C trib too à Litude les ppc i tes associée ux annexites) B Journal de Chirurgie

uthor gr m of the tttes of "Plobumgs; w

laparotomy for diseases of the uterus and adnexain recent years found the appendix adherent to the adnexa in 23 cases that is in 18 6 per cent of the cases the adhesions being to the adnexa of the right side in 22 cases and in one case to the tube of the left aide In all these cases Carvalho removed the appendix thus conforming to the advice given by Barnsby in 1808 that when the appendix is ad berent if only by its apex with or without vascular arbonizations on the peritoneum it should be sacri ficed absolutely P DE RIO BEA CO

Von Lingen L. Exudative Pelvic Peritoniti (P 1 soperation tas e sudata) St P tersb med Zischr 914, XXXIX 73 By Acutralbl. I d ges Gynak G burtsh d. Grenzgeb

The author reports a cases of pulyac perstonata which he has treated during the last three years It may be caused by febrile puerperium abortion -especially if it is criminal gonorrhoea sometimes ppendicutis and probably also by tuberculos a

The nationts generally come to the hospital several weeks after the beginning of the lisease an l when the pelvic perito tis has already developed The hn cal picture arres according to the stage of the disease. It first there is severe pain over the whol abdomen distention tension of the abdominal walls nausea omiting to These threatening symptoms howe or gradually disappear The process becomes localize! d one psulated as a result of scrous and fibrous exulate and adhes ons between the uterus and stane omentum and adnex formed that is him ted above 1 zam in can fat nation t thi tage shows large round tumor which frequently fluctuates and gradually fills th posterior ault of the vagina Symptoms of th bladder and rectum the appear tenesmus reten tio of urt disch rge of mucus to The tem pe atu is incre si The exudate senther gradu ally absoluted o a pely hac as is formed If the abscrss a not open d t the right time it may run t f nto the eet m more tarely into the blatk I er rarely int the belom nal as ty

If the see lem d incision of the posteri r sault of the s gina an i framage if the suppurating focus with rubber dra n left in a long time. The eff ct u u lly urpr ing The durat on of t eat bout the same part to tred expect me t ntl ib pert n

hrein Rontgenological Measurem at of the Pel is (Rontgenologi-che Beck messung) | et th & Jub h & d Drutsche Rontg de B th By Zentralid I d ger () mak Geburtch a d. Grenegeb

The autho gives the rult of aperims t with the k b r Dessaue pparatus f measure g th pel is Wh the promontory and amphysis are to be win o the plate the consugata a raican be me un to mill m t r The same experiment were made on the pleas of keletons women in the pu rperium chise I if a I w men pregnant

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ι

after a preceding exeatean section and symphysiot omy, and the results were controlled with / weifel s pelvimeter

Good photographs can rarely be obtained at the and of prignancy but they can always be obtained up to the fifth month [pregnancy] in taking them the pehis should be keep absolutely motionless that the pehis should be keep absolutely motionless that the pehis should be keep absolutely motionless that the period of the perio

Martin L.: Ti e Pelvis in Prolapse (Prolapsbecken)

Zinche f Geba i h w G) nah 1914 (an 749.

B) Lentralid f d ges. C) nah. Geburish s d. (renageb

Vantomical examination of the pichis has shown that the midian section of the 1 vator and and the muscle groups of the gentin-urnary disphir general that is the part of the pichi foot forming the histories—as without exception wiretched and at the contract of the pichic to be the contract of the pichic
EXTERNAL GENITALIA

I untoppidan E.: Gonorrhusal Diseases of the F male Genitalia (Goporrhusach Aff ktussen der ildich tenttaken) Lf br f Leger 19 4

larer 377 By Zent albi i d ges Ganak u. Geburtsh a. d. Granzgeb

I ont ppi lan has t at d a grad number of cases some of them by different intra utern methods some if them pase if with rc t aganal douches, and tampous 0f the 157 c as treated by it uterine method 17 2 per cent had lissas of the leex and of the 150 n to treat do 10 per cent had facts insofth ad 24. The hows that intru ir not treatment loss n t pro obe disease of the

ut run, treatment locs n t pro oke disease of the forca. It also shows that the length of treatm nt is not shorten 1 by intra uterine treatm in with the xc pito perhaps of treatment with 0.5 per cent lydrochloric acid 5 % Canne v pr

MISCELLANEOUS

Borth winch A Study I th So-Called Ad nonmyomata of the I emale Gentini Trace. (Better benatural one it is descompone of the Committee of th

By Lentralid I d. ges. Ganal. Geburish d Grangels
i test a hibbrography is gaven of the must important
works on this question followed by a detailed de

scription of to of the author's cases with microscope findings. He rejects the by publish of the middle high preparation and thinks that y of his cases were muscle hipperplastic developed from a basis of chronical microscopic of the control in the microscopic of the control wagned selection of the microscopic of the control wagned selection of the migrand action of the migrand duct and a cystic adenomyoma of the uterrus to a respectively of the migrand duct. But the wide migrand the sufficient of the milliferian duct. But the migrand with the midroscopic of the milliferian duct. But the milliferian duct. But the milliferian duct But the milliferian duct. But the milliferian duct But the milliferian duct. But the milliferian duct But the

Gudin Lenkonlisch D: Two Cases of Casts of the Wolffan Duct (Ube di Falle von C) tendes Wolffachen G ges) J ks k. s pesik, belies,

St. Peterab 1914 HR 231 By de tralld, I d. gen. Gynak u. G burtab. s. d. Grenzgeb

The first case was a cost of the vaging which was d agnosed as a cast of the wolffian duct became of th structure of its walls - a single layer of culical pathebum -an I because of its localization in the lateral wall of the varing. In the second case there was a polyp as latge as a hen a egg projecting from the cervix The polyp which was removed was attached to the lateral wall of the internal or by a small pedicle and the contents was bloody. The course was kined with a culural and in some places cylindrical epithelium. The structure of the cyst seemed to the author to indicate that it also originated from the wolffian duct its localization also for in the region of the internal os the wolffian duct approaches very near to the lumen of the uterus and oft a develops lat ral processes. The anatomical differential diagnosis from other cysts ,s discussed in detail B Orrow

Verer-Ruegg, H: Tuberculosis of the Fessale Genitalis (De Tubert loss de we binchen Gentalien) S bretz, R ad has f Med 9 4 M 135. By Lentralik f d.gra Gynik u terburtch a d Grenagh

In two per cent of all female corpose there is full to be inberrulous of the genital organa. Taking tota account only the women dying of tula reulous, there is genital the berulous is it is for an intervention as sedom notated but that tuberrulous is sedom notated but that tuberrulous is sedom notated but that tuberrulous per cent of sealment of the body. In percent of sealment all is a bout the percent of sealment and is a balateral. In about half the ases the disease passes from the tubes to the uterus. Isolated tuberculous of the uterus occurs in it per cent of the cases infection of the placents play a part sho

The same are seldom affected, the muous mains of the cervus again and vulva very narly alpasion in gen tal tuberculous is good at ly sept a bot characteristic nodul s o nomental to the product of the control of the c

Vieyer R Ectopic Decidua (Über Ektopische Decidua) Zisch f Geb 1 h Gynak 914, izzv

By Zentralbi f d. ges. Gynak. u. Geburtsh s d. Grenzgeb Ectopic decidua has been observed on and in the

ovary on the pentoneum of the uterus—mostly its posterior surface—in the pelvic pentoneum—especially a Douglas pouch—more rarely on the panietal pel is pentoneum on the anient on the other of the period in terms on the other on all of the uterus the estoo uterns space on the ligaments of the uterus on the other than the small intestines the uterus on the other than the small intestines the terms and vagana in polys adenometric for proliferating scars and on adhesive bands and very rarely on the pentoneum of the tube. It is not a physiological condition. The chaff factor in transition is probably a preceding inflammation.

Albrecht, H. Asthenuc Infanthism of the Female G. natalia and Hs Significance n Medical Fractice (Der asthensch Infanthismus des schlichen Geschletes d seine Redeutung für die Artliche Praus). If d El. Berl 9 d 68 Bt. Zentinki d des Goval. G burth 4 d 68 Bt. Zentinki d des Goval. G burth 4 d 68

1sth are infantilism is a hypoplastic a omaly of const tution cha acterized by the persistence of inf t le and in enile forms of growth with function al weakness and increased susceptibility to disease of the organs involved. The athor follows Mathes views He describes the nfant le forms of the bones blood vessel and genital sy t m One particularly important manifestation of t is enteroptosis the tiology f which is found in the format on of the thorax and spinal column and in asthenia of the ent e stratum fibrosum. The external appear nce s cha acterized by slenderness f the body languid and pallo ad fl codity of the hin More import at the a these physical signs are infantile and sthe ic symptoms in the psychic and nervous sy t m especially neurasthenia and psychasthenia H discusses briefly the functional inferiori ty of the diff rent systems of the body and the n reased uscept bility to disease in the genital system mentioning in this connection frequency of bo ton severe disturb nees duri g pregnancy co tracted pel us rigidity of the soft parts in deliv ry deficient cont actions, the f quency of reten tio of the placent and atony a tende cy to prolanse the predisposition of the ni ntile tubes to tra utenne pregnancy etc Of set greate m

portance are the chaical pictures due to asthuma of the pscylic and nervous systems These are char actenzed by alternating periods of well being and severe illness without any organic changes. There are especially apt to be symptoms of the stomach intestimes and genital tract frequently combined From the manifold variations of the symptoms of asthenic infantilism it is clear that a large percentage of all The female patients might fall in this category author gives a warning against local and especially operative treatment in such cases This is especial ly to be observed in appendicutis movable kidney and retroflexion of the uterus Permanent results cannot be gained by surgery only a rational psychotherapy can save these women from the hands of the quacks into whose care they so frequently fall RETTERANS

Herrmann E. The Chulcal Significance of Changes in the Fernale Genitalias, in Status Hypoplasticus (Die klimische Bedeutung der Verauderungen am seiblichen Genutale beim Status hypoplasticu) G: & R. sekska 94 m., 4
By Zentrahl, f. d. ges. Gynal, u. Geburtsh, s. d. Greugeb

On the bass of so; cases the author comes to the conclusion that among the signs of constitutional anomaly are changes in the overy among them being abnormal sure smoothness of the surfax and connective-tissue hyperplasts with disturbance in the function of the follucular system. The biological intensity in §6 5 per cent of the cases of status hypopolastics causes general hypopolastics of the gentials and as a result in \$4.45 per cent of the cases primary sterility.

Nessmelowa S. \ Changes in the Blood during Men tru ti n (Beitrage u den leranderungen des Bl te durch die Men truatio \) D etial Tomak 9 3
By Zentralbi f d. ges. Gynak u Geburtsh s. d. Grenzgeb,

By Zentralbi f d. ges. Gynal. u Geburtsh s. d. Grenzgeb.

The author reports a series of blood examinations

in 22 normal women of the same age and living under use an advantage of the same conditions. Exams at on was made for the gris in the number of the erythrocytes de leucocytes the resistance of the reblood of each and sinal was examined daily for a blood of each and sinal was examined daily for a blood for the twee four periodic phases in the blood process of the twee four periodic phases in the blood process of the twee four periodic phases in the blood process of the twee four periodic phases in the blood process of the same state of the same st

The percentage of hamoglobin runs parallel to the erythrocyte count but shows shelter variations. With a sudden increase in the number of crythrocytes the color index sunts. The variations in the leucocyte count run parallel in a general way with those in the red cell count All the forms except the mast-cells take part in the increase

The absolute number of neutrophile cells is in creased in the premenstrual period but to a less degree than the other forms. The number of small and large forms of leucocytes shows a sudden rise the transitional forms are the ones most affected in the rise of the mononuclears. The cosmonhiles are increased about 1.4 per cent over the inter

menstrual penod

During the menses the leucocytes show the lowest count this relative leucopænia is caused by a de-crease in the number of the polynuclear leucocytes In the post meastrual period it is chiefly the latter that are increased. It is an interesting point that in many cases, if the menstrual discharge is delayed the changes in the blood justu a nevertheless take place at the accustomed time. Then when the discharge takes place the changes in the blood cture are slighter sometimes scarcely noticeable This would indicate that the menstrual bleeding as such is not the cause of the changes Probably the plands of internal secretion are involved in it kinds of changes in the blood would indicate this also, as there are resemblances in many points to the blood changes in diseases of the thyroid the hypophysis and the thymus, and anaphylactic conditions are manifested. The minimum resistance of the red blood-cells to salt solutions in the inter menstrual period was 0.49 to 0.52 the maximum 0.33 to 0.36 NaCl the degree of resistance howed variations during the premenstrual period It the time of menstruation the minimum resistance was 0.40 to 0 to the maximum 0 to 0 to 0 NaCl In the post menstrual period only the maximum re sistance was increased. Viscosity in the interval was 3.5 to 3.5 it is increased in the pre-menstrual and decreased during the menstrual period. There was an increase in coagulation time during menstrua tion, a decrease in the pre-menstrual period

WARRE

The Treatment of Hæmorrhage in Deutsch, A Adolescence with Pituglandol (Die Behandlung der Adoleszente bl tungen mit Pitugiandol) Zen tralbi f Gy at to c xxx m 545 By Zentralbi f d ges. Gynak u. Geburtah d. Grenzerb

In cases, chiefly in young girls in which the usual styptics failed almost c ream hemostasis was attained by the use of pit glandel Hoffman la Roche's pituglandol was used and linarily 15 to 20 subc taneous 1 jections of 1 ccm were suffi cent Intervals of on to three day were left between the doses If the hæmor hage did not stop completely after this treatment at the en l of one to four weeks another series of sect as was begun and the devied esult we re always obtained

The general condition improved and harmful effects were never observed although in some cases as much as 45 ccm. was given altogether. The author recommends that preparations of hypophysis be used in all genital hamorrhages in young pris before radical treatment such as castration amon tation of the body of the uterus or routgen treat ment is decided upon.

Brugnatelii, E. Interstitial Cells and Internal Secretion of the Mammary Gland (Cellule interstiziali e secrezione interna della mammella) Fol. pysec 1914 iz, 7
By Zentralbl f d ges. Gynak, u. Geburtsk, s. d. Grenzgeb

With different methods of staining the author

found two classes of fat containing connective tissue cells in the mammary glands of pregnant women One Lind represents a series of transition forms to Unna s metachromatic mast-cells and probably contams lipoid phosphates. The same cells were found in pathological tissue by Huguenin and by Ciaccio. who called them masthpoid cell The second class of cells contain in their interior gly cerine and cholerancster and in their peripheral part phosphates, and in arrangement and structure they have the greatest similarity to the cells of the corous luteum of pregnancy and the zona fisciculate of the adrenals Yust as the latter are regarded as typical cells of internal secretion, the author is inclined to regard the similar cells of the mammary gland as producers of hormones As a hypothetical result of his work he suggests the origin of the interstitial cells of the mammary gland and reproductive glands from ad ventitial r wandering cells

Hedinger L. Significance of Presen le Involution of th Mammary Glands (Zur Bedeutung der prosenden I olution de Brustdrise) Berl kl li kuscky 914, h, 517

li kuschr 914, h, 517 By Zentralbi f d ges Gynäk, u Geburtsh s d. Grenageb The author reports five cases in which the man mary gland were removed on account of pain in the breast. The women were all of middle age and nathological anatomical xam nat on showed the picture of presentle i vol tion The author discusses the different forms of musto

dynia localised tumor chro mastitis, mastodynia witho t tumor format on ecording to B umgart ner's cl sufic tion If & fu the possible cause of par ful mamma in preserul avolut on but in such cases, he is unabl t tell whether there is rela

tion to the rest of the se ual pparatus or to oth r changes ath lastly

Baueressen A. Th bign ficance of Bacteriological Examin tion before d ring and after Gynecological Operations (De Bede tung baltenologacher Lontrollunterstichunge or, beite nich gynthologachen Operationen) Beite Ali d I fitto år nåh Imm nulatsforn Imm nutatsfortch g 4 11, 463 By Zentralbi (d ges. Gynal, a. Geburtsh s. d Grenzgeb

EN RUBOR

The author made careful bacteriological examina tions in 3.40 perat e cases from the Kiel Cynecolog

cal Clinic 454 laparotomics 41 major vaginal operations and 45 operations of different kinds. He insists that the vagina he disaffected in every agonal operations. Bacteriological examination is important in the prognosis. If the field of operation is free from harders the post-operative course is generally favorable. The pentioneum is best protected from bacteria by concernative treatment by careful coverbuting to the prognosis of the process of the provious of the process with fluid and by the avoidance of untrapertioned Lampous.

Especial demands are made on technique when it is necessary to combat endogenous bacteria carcinoma and tumors of the adnexa. In such cases the technique is the decision factor in the result. Bac ternological examinati in of the abdoin and wound as well as of the per toneum at the add of the operation frequently showed more originating, which came theigh from the sain and from the exattening of another terms of the control
On the exemp before the operation the patient in g ne a full bath and buthlende compress are placed on the abdomen the set tmorning just before the operation the wiss is rubbed with obborname and the agina is irrigated and rubbed with obborname and the agina is irrigated and rubbed with 7 per cent buchlond and 0 per cent lechols oblution a 7 per cent uncture of sodine solution as given and the solution as per cent uncture of sodine. Then the skin is consistent of interference of the solution of the structure of sodine. Then the skin is covered with a cloth with a skit in t padded with Bill to this space so that only a little of the skin is taken the skin of the skin is the skin of the skin is the skin of the skin of the skin is the skin of
Henkel, M. Irradiation in Gynecology the Treat ment of Carcinoma of the Uterus (Zur St. ah lentherapus 1 der Gy. kologne Die B handl ng des Uteruscarciooms) M. siche — sied B.chs. h 94 hr. J.

By Zentralbi f d ges Gynal. Geburah s. d. Grenzgeb

The latest experiments show the the mesothorium

rays do not ha e an elective effect on the carcinoma cells and that the optimum dosage is between 100 and no mg mesothorium. Above this there may be severe jury to the tissues so much so as to e en threaten life. The flect of the mesothorium does not penetrate more than 4 to 5 cm.

keetmann and Mayer's experime to show that lead filtration is beolutely contra indicated since the loss of y-ray is 21 per cent contrast with 3 per cent with brass. Also the γ rays held in the lead filter undergo such a transformation that they become similar to β -rays and like these have an injurious effect on the superficial tissues. When the brass filter is used the few secondary rays formed can easily be excluded by the use of a rubber cover

The technique of the gynecological clinic at Jena is described. Many inoperable carcinomata after a time become monsible and can be removed by operation. Vagnal total extirpation is preferred The remnants should then be treated by further irradiation or intravenous injection of enzytol vaccine therapy may also be used for metistases and cancerous glands. The primary tumor is macernical and subjected to autily as and the material obtained is used for vaccination. Rostgen treatment may also be used with a n.w. Rostgen treatment may also be used with a n.w.

apparatus which enables colossal doses to be given in a short time at a comparatively low cost. This is sometimes given in connection with Arukenberg a proposed injection of calcium tungstate behind the carranoma designed to increase the activity of the rontgen rajs

K. Hoypuan.

Blumenf ldt E and Dahlmann A. The Electrometrogram in Animal Experiments (Z. Arantins des tierische Elektrometrogramms) Zick f Geb risk is G, db. 9 4 lix , 403 By Zentralli f d. ges Gynak G burtsh. a. d. Gernzgeb

Theilhaber first tested the electrical current of the female uterus by means of the string gal a nometer and originated the term electrometrogram

The authors in testing Thethaber result on somen in the pureprenum did not get uniform results. They tried therefore by animal experiment to determine whether on stimulation of the uterus there is a connection between the visible contractions of the uterus and the curver shown by the string gal in meter. They e perimented by Frain method of the uteri of rabbits and dogs store. The part of the tried of the contraction of the experiment.

actions of the utern arabits which had been delatered or artitically produced contractions could for the most part be read by registered mechanically. At the same time curves were always asbile on the string galanometer and they appeared a lattle bit earlier than the vasible contraction of the uterus. Therefore it is certain that there is a connect in between the electrical and mechanical condition of the uterus. The accurate analysis of the curves published dem in a yet more e tensive experimental study.

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

Bockmann W Ad anced Extra Uterins Preg nancy (Uber Extrauter gr daist in den leist a Schwangerschaftsmonaten) J ab ih i j ih bol er St Petersb 1914 x z 81

lo ca St Peterab 1914 x x 81 lly Zentralbil f d ges. Gynak u. Geburtah. s. d Grenzgeb.

Pranosaud in 1010 collected 100 cases of advanced cutra utenne prognancy from the literature the author a lds 37 ness ones from the literature and two of his own. The first case was a p months abdominal pragnancy after rupture f the left grand tube at about the second month. Laparot onny was performed fullowed by personnis and death

The second case was also an abdominal pregnancy continuing to develop after rupture of the tube Becau e of numate addressors to the intestines it was not possible to remove all the placenta, and the patient died of progressive peritonitis, results given necrous of the fragments of placents.

The clinical diagnosis of ads sinced extra utinapregnancy is difficult it is usely to demonstrate that there is an ectopic pregnancy but its exact topography can seldom be det remited e on under anxisticua. The most important is improve a very sector and constant pain in the allotmen. There is no unanimity as to treatment some authors to the constant of the contract of the contraction of t

The author points ut the great d agers fee pectant treatment and ads sest immediate operation. The pera is may consist in complete removal of the placents or in suturing it to the abdominal wall. The former is to be preferred as it is more correct urgical procedure. Marsupalization ab all be performed only when complete estimpation is technically impossible.

BOTHOW

Hochn latra Uterino Pregnancy after batra
Ut rino Pregnancy (I trautenogra dult nach
orausgegange e Latra tengaravditi) M sofin f Gobs i d G dt 19 4 axms 154
By Zentzibl f d. gen Gyalk u Gebutth a d. Grenzgeb

In spite I the fact that normal intra-ut me pregnancies were observed sift exits uterine prognancy in 50 per cent of the cases, the changes in the tuber in extra uterine pregnancy should not be underestimated. However, the projection of the properties of the case of the case of the present of the case of the case of the tuber intransucular transiting of the lumen of the tuber and in one case, complete attents of the tuber.

The following conclusions are reached. It is a mistake (1) to simply remove the ovum from the pregnant tube and leave the tube (2) to amputate

the pregnant tube and lease a larger or smaller stump of the tube attached to the uterus (3) no perform plastic operations on the opposite no pregnant tube unless the patient wishes to presenerey possibility of conception and takes upon h relif the risk of another extra uterase pregnary

Rou ier 3: Coexistence of Intra and Extr-Uterine Pregnancy Interrupted Simultaneously at the Lord of Three Months Recovery without Operation (Constance de grosses ettra et utra-utime, saterompues samulanimat u dib i du 1 mois. Guffinon same intercation operatory? B il S.o. Edols. et p. p. p. 6. p. 20.

914 ut, 02 By Zentralbi I d. grs. Gyn.k. u. Geburtsh, a. d. Grenzech.

The patient was a 37 year-old VI para in the much month of pregnancy The diagnosis on ad mission was retinition after abortion. The last menyes had been in September 2011 with sheld loss of blood in October and November At the end of Sovember abortion occurred. Afterwards there was increasing pain and siens of an injectious abor tion with retention a resistant circumscribed intra abdominal tumor was f und sensitive to pressure the cavity of the uterus was empty and 6 fem long. I rom Douglas pouch a ductuating zone could be i it surroun ing the tumor The diagnosis was retro uterane hematocele after extra ut rate abortion afternar la unes entire intra-uterine abortion After speciant treatment there was a gradual dis appearance of all symptoms without operation.

"The suifer bolds that nothing more than a proble disagrees can be made at teast not before the third month. The abdominal abortion must have precided the intra uitness. He warms against 100 superou treatment in such cases. In the host palar expectant treatment should be given and infection occurs, colpotomy and drainage should be done. Outside the hospital laparatomy must be performed. Some of the participants in the discussion doubled the co retriess of the diagnosis.

Bogdanonits, M. Twin Pregnancy with One Living Child Inside, and One Outsid th Userus (Zwillag G width unt intra- und earth tenuen lebe dan Kinde) Orasis Hailah, q 4 lival, 92 By Zentnihl I. d. gen Gynak u. Geburtah s d. Grangeh. Twenty two days all: the hatth, outside of the

I wenty two days aft the birth, outside of the ho pital, of a hir gfull term boy the mother was operated on as the boxpital f extra-uterus pergenancy and a hvang full term grid delivered. This child haved only a few minutes after the operation it is occurrently () that the woman had already

Cholesterzmia and

had one pair of twins of different sexes (2) that a corpus luteum was found only in the left overy (the extra utenne pregnancy was on the left side) (s) that in this case both the children were full term and living The extra uterms child did not attain full development until twenty two days after the intra uterine one and was not viable in spite of the fact that it survived the delivery of the intra uterine child FRIGIESE

Gray A. L. Ecismpsia J M St M Ass 914 By Surg Gynec & Obst

The author of this paper gives a brief but clear description of eclampsia. He first considers the etiology of this condition and is of the opinion that the poisonous ubstance is generated in se eral locations, and three organs especially viz h er placenta and ntestinal tract

Next he considers the symptomatology of eclamp sia and lave great tress on a blood pressure of 150 r above The author believes that eclampsia sei sures can be prevented in almost e ery case and when such seizures occur it is due in of per cent of cases to causes discoverable and preventable by the physician or to inattention or indolence on the part of the patient

As a proof of the above assertion he states that since making this a special work he has had but two cases of eclampsia in the last 1 100 births and in both of these cases he had no previous knowledge of the cases until one week before labor and that the time for elimination and treatment was too short In con idening treatment Gray divides it into

three stages First preceding attacks and during the manifestation of prodromal symptoms second during attack third following attack

The primary object of all h es of treatment whether during the prodromal stage or following the attack is lowering the blood pressure. The author believes that eclampsia cannot be se entifical ly treated without the use of a blood pressure apparatus It is both the diagnostician and prog nosticator A blood pressure of less than 150 means comparative safety Itis method of lowering the blood pressure is to ca se elimination through the Lin kidneys and box la This may be accom plished first by hydrother peutic in asures second by drinki g I rge quant ties of water and third by a variety of catharties preferably liconce and salap powde mpound or in tend ere moit rear

m neral w t Ensom salts to He me t oned r th t catment of the serz e tack nd h th ir ngest faith n the adical treatm t wh n in the hands f a skilful operator in a ne mal p lyts h d ocates manual or instru ment Idal tt rsion f reeps, in prefe ence to assarean sect n R gard ng the treatm at ft

d live y cap ally those case in which convulsions he belie there is no better means of lowering the blood press than blood letting ted n the plethone f ll espec lly blooded pat at with I rge full bounding take

1 II CHAIRT

Wassermann & Reaction in Eclampsia (Colestermemia e reazione di Wassermann nelle clamptiche) G nes 19 4 , 60 By Zentralbl. f. d. ges Gynal. u Geburtsh s d Grenzgeb

Pleant S. and Savarè VI

Hypercholesteræmia always occurs in patients with eclampsia to a greater degree than in normal pregnant women Hypercholesteræmia never gives a completely positive Wassermann reaction but nly partial reactions which is due to the antihæmolytic and anticomplementary properties of the cholesterm Cholesterm is not to be compared with a syphilitic antibody and probably increases as a result of hyperfunction of the adrenals and dysfunc tion of the liver The significance of the placenta in hypercholesteriemia is under discussion retention rather than hyperproduction deserves more study In the 16 experiments performed by the author the more pronounced the symptoms the greater was the degree of cholesteramia. There is a detailed discustion of the literature MESTROY

Ferré: A Series of Recent Cassarean Operations (Sur ne série d'opérations césari nnes récente) Aus. d p & 1 d bst 9 4 zh, 160

By Zentralbl f d ges. Gynal, u Geburtsh a. d. Grenzech.

The author reports 12 casarean sections One child died on the fifth day One mother on whom casarcan section was performed for the second time and who had been in labor three days before the operation died. The uterus was removed the old scar was thin as parchment but firm Three women had fistulæ from the uterus through the abdominal wall In one woman a compress was left in the abdominal cas ty which after 7 weeks was discharged from the rectum accompanied by colicky ра да JAEGRE.

Wolff Rupture of th Uterus in the Scar Left by Cervical Casarean Section (Uterusruptur 1 der iten kasserschmttna be nach cervicalem kasser schnitt) Zi h f G burt h Gy ak to 4 lx v 74
By Zentralbi f d ges Gynal. Geburtsh s d. Grenzgeb

The author report the case of a to-year-old certical casarean section was II para, in which don at the end of preg ancy for contracted pelvis The longitudinal cision of the cerviz had to be prolonged into the body and the living child was extracted by the foot The puerperium was febrile Healing was by econd intention A year later the patient was gun admitted to the hospital at the end of pregnancy R pture in the old scar had occ rred during the first stage of labor during which the child died The terus was totally extirpated Brain embolism occurred during the puerperium The patient is till under treatment Microscopscally the escatricial tissue was infiltrated with decidua almost to the serosa

In 48 cases from the literature of rupture in the scar of a casarean ection, the purpersum after the casarean section was almost always I brile

as it was in the above case. Unon does not take place, the musc-bundled son texperate as the scar is poorly consolidated. In the case reported there were unaborbed catigut sutures in the period in the case reported from the operation a year before. In the 43 cases, the inflatelle mortality was 60 per cent and the maternal mortality aft per cent as contrasted with a 60 or 47 per cent in other unputers of the uterus. The more fast orable results of rupture in scars from constances as central to the fact that they generally take place in the hospital. Porros operations agreemently used in the treatment. Fryzz.

Fuchs, H : Czeszesz Section for Total Ankylosis of Both Hip-Jonuts (K usrschmit wegen totaler Ankylose beid r Huligelenke) Mossiteir f Gobert h = Gynak | 914, 1922 4 Huligelenke By Zentzibli L d. gts. Gynak, u Geburtak, s. d. Greazgeb,

1 30-year-old woman had had a pontaneous delivery 6 years before her present pregnancy She had had an abortion before the first delivery and an abortion three years ago with severe symptoms of sepsis-metastatic pyamic suppuration in the region of both hip-joints Finally she recovered but had bilateral ankylosis of the hip-joints She was a slender woman, 146 cm tall she had no abnormalities in the polvis, but the soft parts were somewhat atrophied. With both thighs fixed in shight flexion with marked adduction and rotation inward vaginal exploration with two fingers could be performed only with great difficulty. The posterior edge of the pelvic outlet howe er could be reached tolerably easily in the lateral position at about the middle of the ramus of the pubis. The breech position. Abd m nal transperstoneal casa rean sects n was performed and a living full term girl del vered The puerperium was afebrile

Only four cases are described in the lit rature of chevry in blasteral ankylosos of the high-two were spontaneous deli ernes ind two were delivered by casteran section. The author believes that essarean section is not justified in head present tuons as normal delivery in the lateral position of quie possible. The chances of dish telleral position of quie possible. The chances of dish extreg a living of high by the partial route are much less far outside find by the natural route are much less far outside yellow of access to the pelivic outlet essarean section instructed in the interests of the child. Hassi

Lindemann W V glmat Cassarean Section in Piacenta Franția (Über de Auvendung der Hayter otomia auterur ber Placenta pravia) Prakt Eg bu d Geburith G, eb 914, vi 63 By Zentzilki d ges Gynak ii. Geburah s d Grenzgeli.

In the treatment f placenta prevua by casure section the autho prefers the agnal rout fits advantages as contrasted with the abdominal rout are better connect feet and a ordance of herma and supportation of the wound. It has the adding over extraperitoneal consumers account of being early to perfum. With t squares of the bladder are almost impossible. It may be complexed by pertion of the placents in the crew by stack case section of the placents in the crew by stack case see rare. The dangers in placents accrets are the same in the vagunal and abdominal operation, other wase the insertion of the placents is not of say operal importance. The loss of blood is not great. The operation stielf does not offer say great difficulty conditions for its use are more unalsorable in Conditions for its use are more unalsorable in tackle in the case depends operation is not particulate in the case depends of the conditions for the case of th

Among at cases of vagual cesarean section only one patient died from an unlown crue, making the mortality a per cuit. The maternal mothodity was 6.1 per cent in 8 per cent of the cases the insertion of the placenta was central, in 6 per cent marginal. There were 32 children Three of them had died before labor one a non-yable run was born dead of died after det ery 3 of unantion, 4 of rupture of the tentonium one of a daesar probably 39 phals, and one from an unknown cause. Deducting the non visible ones, the infantile mortal ty was 24 per cent

Polana, O Further Experience with Posterior Cerrical Constream Section (Weiter Erishrunger mit der Section cassares cervicales polanor) M sahes med W äuseler 914 lv. 8 8. By Zentralbl. Ld. ges. Gynik. u. Geburts, a. d. Grenagel-

The author describes 7 of his own cases. True there was severe eclampsis once the posterior critical creates nection was repeated in a woman who had been operated upon in the same way two years before one case was if ghtly inferted and in three cases there were additionally inferted and in three cases there were additionally a preceding constraint action above the yraphysis. In the first cwe

metion after the memoring processing contents of the first contents and the contents and the first contents and th

"The answers to these obj ci out are as followed. The periation a carri out reprofit the child needs that on you and the construction of the vessels not complete Among z cares there was ne r a physma! any of the haldrin. () There us not much changer! I haven change as the unecous in most cases is far a say! or it hast of the placemakers of the control of the contr

Drainage of Douglas pouch in unclean case is superfluous, since it is any to inspect the true pel with the uterus a teer teel and it cleanse it from any infection but drainage through Douglas pouch for the sale of added safety is always possible. Posterior curvical casarean section has shown its special value for certain classes of cases such attoos where there are adhesions between the anterior wall of the uterus and the abdominal wall pendulous abdomen or undilated os MORALLER

Lawrence E. J. Impassable Contraction of the Gravid Uterus Report of One Case Verified by Cassarean Section Distattion of the Stormach Recovery horthwest Med qut, i, 69 By Sug Cynce & Obst,

Lawrence reports a case of dystocia due to impassable contraction ring verified by casarean section He further states that in all the literature upon this condition during the past to years, only 4 other cases have been confirmed by this operation

The treatment he sdds, depends upon the degree of obstruction for there are many cases where a well formed Bandl ring can be diagnosed—in these a dose of morphia or an anisathetic will relax the spasm. Forceps delivery in such cases is easy provided there are no other complications

In extreme cases the use of forceps is either very difficult or impossible because the head is well above the brim. If an application is successful the forceps will slip or if traction of any degree is made the uterus is dragged down t gittly ower the fortus

Incision of the contraction ring has been done but is a very difficult and dangerous procedure. Cass rean section offers the ideal treatment for this condition. Embry otomy should be done if the baby is dead.

HAR IN B. MATHEWS.

Brodhead G L. Casarean Section for Double Multilocular Ovarian Cyst. N 1 M J 9 4 zczz 9 B) S rg Gynec & Obst

The case reported h d had a d fiscult labor with a stillburth previously. In the last pregnancy an ovarian tumor was pushed down into Do glas cul de-sac on accour to which a crasarian section was performed and the tumor rem. ed with an bull to the contract of the contra

Rob bach W Results of Examination after Extraperitoneal and Transperitoneal Conserva-Section (Nach tensubungsresultate nach xira d tra per tonealem hauerschott) Zische f Gehrich G. als on a lax se

Geb et k G) ak p 4 km 530
By Zentralbi (d. ges Gynil u. Geburtsh a. d. Grenzgeb

The author examined 33 patients among 87 which were operat don by Xitapertional casare n section and samong 81 inspertional ones. There were arely symptoms after operation and even when there were they disappeared after a short time. The capacity fo work wa not decreased. No disturbances of bladder function were observed.

Hernias in the scar were found in 8 per cent of the cases two after extra and one after transpersioneal section. They are best avoided by the lateral oblique mission on the left an extrapentioneal operation with suitable after treatment. The cerevical scars were absolutely firm and resistant to the diagers of renewed pregnancy more so than the body scars. Addressons and bands between the cerur and the abdominal wall were never observed in spite of the fact that gause dranage was used in the open wounds and about half of the cases were infected or open to the supplicion of infection.

In 82 per cent of the cases of extrapentoncal section the position of the uterus remained normal after the operation. Abnormal positions occurred but were easily corrected as the uten were movable. The primary viability of the children was 100 per of the year. The results are good. The most important point in the prognosis of cessirean section is to operate extrapentoneally.

Van Cauwenberghe A Advantages of Artificial Premature Delivery (Unlité de l'accoucheme t prémat ré artin el) Res mens de gynée. Cohsi el de péd i Bordeaux 19 3 Xviii 729 de gynée (Spalk, ul 6 burths el Grenngeh

The author gives a historical review of the development of artificial premature delivery and discusses in detail the indications for this procedure. Among the methods of carrying it out he gives simple puncture of the membranes the induction of contractics of the uterus by intramuscular injection of pituitin the introduction of an elastic bugge between the membranes and the wall of the uterus and finally, the artificial distation of the crisk with or with ut the introduction of a bag

n the lower uterne segment He concludes

1 Artificial early induction of labor as of great
value: 1 cases of contracted pelvis and is without
danger for mothe and child if performed at the
gift time by a method adapted to the case in hand.

2 Child ea born in this way have to be handled
with special care and breast feed go is essential

3 If artificial ea ly delivery is to be considered to be induced till the thirty fourth week this is the only wy to avoid high direct and indirect in rtaility of the children.

4 If the pel 1s is so much contracted that the child can not be delivered in this way at the thirty fourth week f r the sake of the child some other method mu t be selected that permits of longer waiting

Lienau A Artificial Abortion in Psychoses from th Psy hiatric Medicoletal and Ethiosal Pount of View (Obe kansilah U I breihung der Schauschath & Psychoe in psy hustrasch rechiberer ad stitlebe Beluchtung) A & f Py & B Est of the School and School and School By Zentralli I d. grs Gynala. u. Geburtah a. d. Grenzgeb.

On the basis of 39 cases the author comes to the conclusion that artificial abortion is indicated in

as it was in the above case. Union does not take place, the muscle-boundles do not regenerate and the scar is poorly consolidated. In the case reported there were unabsorbed engaged sutures in the specimen from the operation a year before. In the 49 cases the inflattle mortal by was 60 per cent and the matternal mortality 36 per cent as contrasted with 60 or 47 per cent in other unputers of the uterus. The more favorable results of rupture us cass from casting and the contrasted with the contrasted with the place in the hospital. Form 3 operation is generally take place in the hospital Form 3 operation is generally used in the treatment Furgar.

Fuchs II. Castarean Section for Total Ankylosis of Both Hip-Johnta (Kastarch III wegen totaler Ankylose beder Hultgelenke) H saster I gan Sur k at G) & 914 MILL 477 By Zentrikh L d ges Gynd U. Churtch, a d. Grazgeh.

1 30-year-old woman had had a spontaneous delivery 6 years before her present pregnancy She had had an abortion before the first klivery and an abortion three years ago with severe symptoms of sepas-metastatic pyrmic suppuration in the region of both hip-joint. Finally sh recovered but had b isteral ankylosis of the hip-points She was a slender woman 146 cm tall the had no abnormalities in the pelvis but the soft parts were somewhat atrophed With both thighs fix d in shight flexion with marked adducts n and rotation inward vaginal exploration with two fingers could be performed only with great lifficulty. The posterior edge of the pel ic outlet however, ould be reached tok tably assly in the lateral poution at about the middle of the ramus of the pulas. The woman wanted a I ving child. The hild was in breech position. Abdominal transpersioneal carr rean section was performed an t hving full term gerl del ered. The puerpersum was af brile

Only four area are described in the lit rature of eithers; a list all ankyloso of the high-time were apontaneous delivers and two were delivered to the expension of the either of the expension are controlled in the either casarea section. In author believes that casarea section as normal felivery in the I read position in quite possible. The chances of delivery method by the entrances of the either of the either of access it the period of access it the period of access it the period of the either of the interests of the child.

Lindemann W V Rinal Cassareun Section in Placenta Pravia (Uber di Anwendung der II yt vitoma terore ber Placenta previa) Fr ht Ergé d Colon & G. 2t. 9 4 9 5 By Zentralb. I d ges. Gynal. n. Ceburtah d Grensgeh.

In the treatment of placests pravas by casarean section the thor prefers the agonal route Its advantages as contrasted with the abdominal rout are better commette eff et and avoidance of herma and supportation of the wind It has the ad aniage over extraperitorial certains section of being and to perform With it in junes of the libidde are

almost impossible is may be complicated by a section of the placeasia in the cervax but such assessare rare. The dangers in placeata secreta are the same in the vaganal and abdominal operations other were the insertion of the placeata is not of any speed, unportance. The loss of blood is not great. The operation stull does not offer any great difficult Conditions for its use are more unfavorable in tended to the condition of the con

Among 31 cases of vagonal cessurean section only one patient duel from an unknown cause making the mortality 3 per cent. The maternal morbidity was 64 per cent. In 55 per cent of the cases the insertion of the placenta was central in 55 per cent margnal. There were 3c children Three of them had died before labor one a non vashle two, was born dead 9 died aft 1 delivery 3 of mantion, 4 of repture of the teatorium one of a duesaw probably 3p phalbs, and one from an unknown cause Deducting the non vi ble ones, the infantile sortal vary was 24 per ce t.

Bestran.

Polano, O Further Experience with Postenor Cervical Consurean Section (Westers Erishmucta mt der Sertion caesarea cervealus postenor) Münders med 11 fanch 19 4, in 18 By Zentralbi, I d ges, Gynik, u. Geburtah, a.d. Greaugch.

The author describes 7 of his own cases. There there was severe eclampsis once the position crivical customers action with a top offer or the control customers action with a same any two years before one case was singlely indected the control of the customers action abo e the ymphysis in the first case there was death from eclampsis.

The method proved good in all the cases Inc.

Descriptions that have been urged against it are (1)

Possibility of niguring the child by nahing its

breathing deficult by contraction of the excelthrough pressure of the utress against the symph
sis (3) Severe hemorthage as a result of star

(1) Th dangers due to the large nations

The and on to these objections are as follows:

() The operation is carried out rapidly the child cocks little o pen and the outstriction of the easts not complete busing cases there was netter amply in of any of the children (a). The us nor much danger of his morthage as the nession in most cases is if r as y from the are of the placents and it can easily be a structed by traction and it can easily be a structed by traction of the placents o

bove t Drainage of Douglas pouch in unclean cases is superfluous sin eat easy to inspect the true pelvi with the terms and verted and to cleanse it from placenta prævia is made the child should be deliv ered without regard to its viability. The author recommends as the best methods version or me treury sis Cases of premature separation of the normally implanted placenta should be sent to the hospital for immediate operative delivery

Hirrell

Sergent E. Tuberculosi and Pregnancy (Tuber culose t grossesse) Rev prat d'ob! t'd poliat By Zaptralbi f d ges Gynak u Gaburtsh d Gresz, eb

In regard to the influence of tuberculosis on pregnancy the author states that tubercular women seldom become pregnant and that abortion is rare even in cavernous phthisis. In very advanced tuberculous abortion occurs spontaneously or during hamoptysis or an attack of fever

As to the influence of pregnancy on tuberculosis onimons are divided According to most authors pregnancy reduces the resistance f the body (chlorosis decalcification excretion of pho-phorus) Frequently auto intoxications appear from the liver kidney and adrenals Decalcification d adrenal manificiency occur both a tuberculous and pregnancy so there may be summat; n of the in jury done. Torpid cases of tuberculosis may not be made any worse by the pregnancy but progressi t tuberculous usually is The latter part of p egnancy the puemerium and nursing are especially dangerou for the tubercular woman - labor uself In unfa orable cases the put ents di two or three weeks post partum with select lung symptoms or of miliary tuberculosis or after a few we ke or month the disease grows worse and the patients slowly uccumb t it

S nee tubercle bacilli ha e been found in the blood of the umbilical vein direct transmission of tuber ulos s from the mother to the child cannot be excluded but infection in the family and inhented predisposition must also be considered is 32 per cent of the children of tubercula mothers ! e it is evident that artificial abortion should not be per formed n pregnancy

thor ad uses tubercular nom n not t m try r ha e children If pregnancy occ rs steps hould be taken t pres nt decalencation ! adrenal should be gi en The chil should be tal a from the mothe immediately after both

Imhof r R The Present Status of th Question of Tuberculosis of the Largus and Pregnancy (1) geg artig Stand de le g der kehllt pl i berk lose mi Sch angerschaft) Pr g med

Q 4 XX B Zentralbi i d gen Cymal. Geburtsh a d Grenzgeb The uthor has det maned from a t da of the itrire and his ow cases that tuberculous ith

lary nx is a relate by r re complicat in of preg nev \ therby I'meal nor pathological anatom scal tudy could be demonstr t a pred posits a of pregnant women to tuberculosis of the lary nx The prognosis of tuberculosis of the lary nx is extremely unfavorable The mortality is 86 to 90 per cent In cases of tuberculosis of the larynx and preg nancy for the first five months abortion should always be induced and tubal sterilization performed Pregnancy after the fifth month should be allowed to continue and premature delivery should not be induced as the results of premature labor are very bad

The treatment of tuberculosis of the lary nx during pregnancy should be limited to nalliative measures Tracheotomy should be performed in severe dyspacea but tracheotomy as a curative measure which was formerly much in vogue is now seldom recommended. OFFIEL

Rosenstein Vi Appendicitis and Pregnancy (Appendictus und Gra id tat) Me alsche f G risk Gyak 94 xxxx 7 By Zentralbi. f d. ges. Gynak u Geburtsh a. d. Grentgeb

Surgical treatment is much more to be commended in pregnancy than conservative treatment. If the appendicates is mild e pecially in the first half of pregnancy the pregnancy should be maintained I sperience has shown however that after an abor tion or premature delivery the prognosis is better the earlier appendectomy is performed. If there are s gas of a beginning abortion or of premature delivery the appendix has first been successfully remo ed in many cases Such a successful case is r ported The extremely high mortality of ap pendicitis in pregnancy can only be improved by e rly diagnosis and operation

Vautine Simulated Appendicitls in Pregnancy (Les f usses ppendi tes de la grossesse)

By Journal de Chirurge Chancians are so f aid of the frequency the

suddenness and the rapid dev lopment of ar pen d citis in pregnancy that they probably make a diagnosis of appendicitis too readily. Pain in the ight hypochondrium with contracture and rive of t mpetature may be found in many different Linds f aff ctions The author reports five cases where the diagnosi of ppend citis was wrongfully made In the i rst there was a Meckel's diverticul in very nea th ppendix In the uco d a dermoid cost the o ary was sutur d and exterpated In the third there was a true cost of the right over The fourth was ase of high extra uterine preg the right a d occusting a th uterin Nancy pr gnancy The bith was a jet of the right ovary with a tw st d pudicle L CHIVED

Watson J Three Cases of G II 5t nes Associated with Pregnancy G ys U + Gs 10 4 By Surg Gy ec & Obst

The author recently had as pat at three preg na t w men who suffered from the most t mble flatulence and indigestion absol tely unrelieved by

psychoses in all cases where the continuance of pregnancy acrously and permanently endancers the mother's psychic condition and where the family physician and the psychiatrist believe that by interruiting the pregnancy the danger to the mother can be avoided Artificial abortion should be in luced more frequently than has heretulare been done in cases of true mental disease in the severe depression of psychopathic cases institu tional treatment is to be preferred to abortion in some cases I the on sec

Benthin W : How Can Bad Hesults He Andded in bebrile thortions (the kan man able to ring bet feberh ften Abort u am be t u e meul ni? Dentrebe med if a hache tota, zl. 98

By Contralle ! of gra () mak at Geburtah a d. Cornereb To as sid severe illness or d ath in the aft r

treatment of f bole abortions it is not sary to exclude from active treatment the axes complicat if by form utenne disease an li r th a furpose careful examination is necessary among to uch cases were tre to act of act of with a feaths and se con servative is with 4 d athe

Tie batterological finlings mut be t ken into considerate it for the danger is great if hamohtic strept water are present I cor ling to the expenence of the hundralute expecul exal limit the results I experient treatment are much bett r in such cases than those of acts treatmen darger from retained remnants of the o um are exagge tid. The premanent result from act to an I capectant treatment are equally good

If hen laticate inococciare pase i comesal e treatment is to be r anmended if | sail rest in be l'ergotin a | durt se re hamorthage her sulates empty ig of the uterus in 4 to to per nt of the assa and when a cuary it should be lone with the finer or as unserval is as mossible

Pru ik and Tuma Th Blood I sments in Freq nancy and Discuss (Per das \ halt der blat ferment im \ ha d r Sch ancerachaft und k ankh iten) Ltt blod to 4 1 120

By Zentralid I d ges (yank Lechurtsh a d Lecturgels.

The authors give the results of 121 t sts of blood sera with to different organs a a tigen blood serum of pregnate w men was a sted with placent to 50 case with 53 feestly e and three negative results of these three ne reacted positively a second time one ame from a a man fit months aft r a muscarriage and the third from a wom u cases a re excluded from the r suits. The results were positive therefore in 44 6 fer cent an i after the correction in od pe cent of the cases. The times always gave the same results

The sera from four pr gnant women's the phritis. catabolized Lulney as did also that from a case of hyperemesis gravidarum. The serum of t o cases of eclampata catabolized the placents of other cars as well as their own and among the other organs had the strongest effect on the liver the Lidney turns was not catabolized. To cases of filromions tested with the serum of pr grant patients gave 3 negative and 7 positive results.

The sera of men and non pregnant women with carcinoma was tested in 11 raws there were positive te ults in a ner capt of the cases with careinomatons or wine an ! I mitte tentite in bi far tant of the caso with placents. The specificity of the reaction was contr. Hed I y so experiments with scrum from males and 22 cases that were certally not pregnant in 43 per cent of the cases the placents was catab-

In discussing methods the authors point out the importance of medi al it aim of in the results. after putas sum social and tibroly and the sera cataboftend sarrous organs. Is to the quantity of the hours. Its lyes repeated alt r 24 hours (40 cases) showed positive results in 50 to 60 per crut of the cases that had been mustive the first time after 48 hours they were all pegative

Franken tein K : Hamorthade during Pregnancy (ill tungen in der Schwangernhalt) Fortube d 811 TITH 145

By Centralital I d. ges. Grant at Laborrate a. d. Grenzole.

Hamorthige in the beginning of pre-mane; m) be the result of general durate of the mother if end metric s. r of attempt at abortion. There is g nerally de clacement between the origin and the wall of the uterus, and hemorrhage between the o um and the mu ous mumi ram or even in the m militance of the ovum the prognosis as to life is gen rally good. Is to treatment the author recommend the emitting of the uterus follo ed ły tamponie

Among hemorrhage that may occur at any time during pregnancy be counts the hemorrhage result ag from tumors in the terus and hamorrhage these endanger the from hylatiddorm mol m ther s i fe much more because the hemorrhage is often t ty se ere. The it atment consists in oper tun (r the myom, and abortion. If preg. nancy is complicated by remoma, in operable cases total tirpation should be performed at once in inoperable cases delt by should be accompushed by courses vection at the end of pregnancy is soon as the disgnoses of hydrithform mole is made the uterus sho ld be mpited. Mer the abortion the patient should be carefull mainted to pre var-lat r hamorrhages til r dismissal she should lat r hamorrhages still be kept under beer atto in order t make a early diagnosis of chorso pub Buna if it appears Imong hamorrhages n th last three months of

or grancy he counts ham hage from varices from rupture of the term ross placents przys nd from premature seps tion of the ormally itu ted placenta. Both f the latter anomalica are discussed in detail I soon as the diagnosis of threatening conditions in the mother or child force him to deliver. The methods that can then be used are casarean section hebosteotomy and cramotomy

In spate of the fact that the use of forceps as irrational in contracted pelvis they can be recommended for slight degrees of contraction when the conditions are favorable. If an attempt at forceps deh ery fails cramotomy can be resorted to As only the birth pains can overcome the mechanical resistance without danger these powers must be allowed to act and even if delivery is very painful morphine must not be given Rupture of the membranes must be avoided before the os is fully dilated Nothing is gained by premature rupture of the membranes, and the danger of infection is increased

In conclusion Meyer 22 es a review of 28 cases of flat rachitic generally contracted and generally contracted flat pelves from Oct 1 008 to Sept 30 1013 Ther were 68 cases of spontaneous delivery 531 per cent casarean section 8 14 per cent hebosteotomy 5 cephalotomy 10 forceps delivery

17 13 3 per cent ersion and extraction mature induction of labor 8

Among the 7 cases of forceps deh ery there were several cases of rachitic flat pelvis where the head had already passed the co tracted part so it was no longer really a question of delivery from a contracted pelvis and there were also several cases of forceps delt ery at the pel coutlet where delt ery would have ended spontaneously if the physician had not been compelled to end it on account of threatening intra ut rine asphysia or some other complication. In se eral of these ases operative interf ence would be avoided now by the admin istration of pituitrin S & GAMMELTOFT

y R de Breech Extraction by Deventer Mueller a M thod (L'extraction d'alge d'près Deventer Mueller) 4 d'pale et d'obst 9 4

By Zentralbl f d ges. Gynak Geburtsh s d Grenzgeb

The delivery of the arm by Devent r Mueller's method has the ad antage of making any internal ma pulation unnecessary In the obstetrical chinic at Lausanne it was practiced for the reason followed by deh ery of the head by the Prague mampula The method is successful in the first and second degrees of contracted pelvis and also with large ch ldre Care must be t ken that n the dely ry of the body the shoulders occupy the largest diamet r of the pelvis The method is successful in 03 2 per cent of the cases it fails only in abnor mal positions of the arm a din e treme narrowness The infantile mortality is mark of the soft part edly decreased in the old classical method it is per cent in M ller s method 6 per ce t Fractures of the arm also are decreased from 6 3 to 1 per

Among 8 cases of Mueller's delivery of th there were two compound fractures of the cery cal

vertebræ. The average time required for extraction by the classical method is a minutes by Mueller's method the time is 24 minutes. Tears of the perineum are less frequent in the classical method (9 7 per cent) than in Mueller s (15 7 per cent) The author attributes this not to the delivery of the arm but to the Prague manipulation Rise of temperature is less frequent in Mueller's method (3 5 per cent) than in the classical (46 4 per cent) which is due to the fact that in the former method there is no internal manipulation

Pierra L. Three Cases of Severe Obstetrical Hemorrhage Treated by Momburg a Method with Success in Two Cases (Tros observations d hémorragies gra es de la délivrance traitées par le procédé de Momburg avec succès dans deux as) J d ges f mm 19 4 lu, 66
By Zentralhl. f d. ges. Gynák. u. Geburtak. s. d. Grenzgeb

The author describes two cases of severe hamor rhage after delivery in which the patient had fainted several times and the radial pulse could hardly be felt both of which were stopped almost immediately by the application of Momburg's tube. In one case the hamorrhage occurred after a forceps delivery and could not be stopped by an intra uterine tampon in the other case the hæmor rhage followed a pontaneous delivery The hamostasis from the tube was so complete that a tear of the perineum could be sutured without a drop of blood flowing In a third case the method failed because severe heart symptoms appeared when the tube was applied the patient had mitral insuffi ciency She suffered such severe collapse that the tube had to be removed. The hamorrhage was stopped in this case by a tampon FRA REASTERN

Maccabruni F Relation of Syphils to Dead Macerated Fortuses (Sifilds e lett morti macerati) Arte ostet Milano, 9 4 xxvii, 65 By Zentralbl f d. gea. Gynak. u. Geburtah a. d. Grenzgeb

'ther a detailed discus ion of the literature in regar I to the effect of syphilis on the maceration of the foctus the author tries to determine the per centage of deaths and maceration of the focus due to t In cases of pure maceration he studied the relat on between the weight of the foctus and that of the appendages in syphilitic and non-syphilitic cases He performed 50 experiments and used the Wassermann reaction and demonstrated the spirochates to show the pr sence of syphilis In 21 cases syphilis was demonstrated in 5 cases a probable diagnosis f syphilis was made. In 24 cases syphilis wa scluded as the history clinical biological, and bact nological findings were nega Imong these 24 cases th cause of death was soft knot in the umbilical cord in two cases premature separat in of the placenta in one anencepha

lus in one eclampsia in one severe albumi uria in so and in 9 cases 8 per cent the cause was un in wn If the seven do btful cases f syphilis are added to the certai ones syphilis is the cause

druss and diet " his months later the first noman was operated upon after several attacks of biliary colic She recovered and has remained well.

The second patient was better for a year after the buth of her child but the digestive disturbances often of ner came but the expense and the end and an operation showed a gall tone and many adhesions. The stone was removed with the gall bladder, but the patient of d on the third day. The third case had been delivered permaturely

and after delivery became jaundleed had clay colored stools and bile in the unne. C II Days.

Rude Jr G.: Constroits in Prednance (Cler Constreuen in de Gra dittt) & ch. f Grant By Zentralbi f d. ges. Gynik, u. Geburtah, s. d. Grenzreh.

liter discussing the literature I the subject a case of occlusion of the internal os dunne pregnancy is described. On account of eclamina and the fact that the occlusion was anoarently caused by a tumor total exterpation was performed in the sixth month of pregnancy

The occlusion was not caused by a sumor but by a small at h of tussue which extended from the posterior to the anterior wall of the uterus It was convexed downward and co cred over the whole cerupal cavity it was a to 5 mm thick I greatly there was inflammatory erosion of the os and the squamous cruthchum of the os extended high up to the ervix and there was marked initiant matory inhitrati n of the tosue There was stratib ation and lenestration of the certical and clan fular er th laum in the unper part of the cervis. The bridge I tissu was made up for the most part of smooth mustle no scatneral tissue being isible It was ther fore a complet muscular occlusion of the at nal os in pr gnancy resulting from an in flamm t ty prot w who h had c used epidermizaconclusions as to the see of the inflamm tion could he drawn from the nurroscopical picture nor could the tiol go f the disease he determined. The I cotton r mains open wh ther it was an afect us process or the re ult of an earl er birth tr uma

The a thor observed sum lat changes in the c r vical epithelium in second case of pregnancy in which the uterus wa remo ed on account of large myoms of the cervix liere too the histological nicture sho ed at at 0 at n and fenestrat on of the cervical epithel m wh h may be regarded as the result of inflammat ry processes. The squamous enithelium of the os also at aded high up into the LISTABACII cèrvu.

Mühibaum, A. The Prognosis in Chores Gra i darum (Di Prognose bei Chores gra ularum) Pr ht Erpt d t d ri h G and 0 4 1,55 By Zeniralld, I d ges. Gynsk u Geburtsh a d Grenzerb.

Mohibaum beheves that chores during pregnancy is really an unusual disease but that it is more frequent than gynerologist belie e for the patients come to the neurologust for treatment oftener than to the gynecologist. It is certain that there is a connection between chora and rheumatism bur there are other causes of a sexual nature involved.

Muhlbaum distinguishes a mild and a severe form of the disease. The cases that develop slowly belong to the former class 27.8 per cent of these mid cases recover during pregnancy or the de-livery is spontaneous and the patient is discharged cured a hort time after In the severe cases the chorea begins suddenly without premonitory symptoms. All the muscles-even those of the buttocksare involved There are generally symptoms of delinum or amentia. There is frequently abortion or premature delivery and death usually follows within five days.

I severe case of chorus seldom occurs without fever in almost every autopsy myo- or endo-carditis is noted, evidently the signs of a latest theumatism. Cases preceded by infantile chores almost always have a favorable course Recur reaces of chores in Liter pregnancies are severe Rest in hed isolation hadrotherapy followed by scopolamine or chloral hydrate may be gis n, of charad nitriettin and injections of salt solution As the muscle spasms disappear with the involution of the uterus, abortion may be indicated in sevent cases but e en a rapid emptyang of the uterus often comes too late

Bonhoeffer believes in conservative treatment when there are symptoms of recent endocardits. when there is fever and when there have been other attacks of chorea that recovered spontaneously In such cases he uses the treatment for the infection psychoses abundant administration of salt solution and rich nu rition. The mortality f the mothers is between 20 and 30 per cent and that of the children between 40 and 70 per cent. The prognoss is f orable mly in cases that ha w been preceded by myenile chorea t is alwa a bad in cases where endocarditis or psych c symptoms are present.

LABOR AND ITS COMPLICATIONS

Krest.

Meyer L. The Treatment of Labor in Contracted Pal is (Die Behandl ng der Geburt bei erengtem Becken) Lyr k f Leger 19 4 1 x By Zentralbi f d. ges. Gyzak. u Geburtah. a. d. Grenngeb.

In the treatment of labor in contracted pelvis no defir t rules can be et blushed depending o the d gree of the ontr ction the tendency is increasing to observe the course of the labor and to hase the treatme to the fact observed In 128 cases of c tracted privas delt ery was spontaneous

in 6% or 53 per cent Prophylactic measures uch as prem t re nduc ryopo lattic measures und as prem it admi-tion of labor casare a sect on t the beginning of labor and prophylact c ersion hate a very imited field of usefulness and can only except onally be used on primparse The physician should wait and act only when long observation has shown that the di proportion cannot be overcome or when

decreased by removal of the membrane this bow ever can seldom be accomplished at least manually The membranes are discharged cither in bits of altogether the latter often between the fourth and the nunth day. It is possible that rit intion of membranes play a part in the causation of endome tritis.

Rachmanow A N 1 Non Higation of th Umbuleat Card Precticed us Ten Thousand Deliberia (M thode de Nichtunt b dung der Nabelschn r \ gelight ber 1,000 Gebren? Zeni dibl f \ grak 194 xx m 500 By Z tralli f d.grs Gynal Geburtsh a.d Genzgeb

If to physiological not to lighte the umbilical cord in man an i an mals the structure of the umb lical essels is such that when the factus is separated from the mother by rupture or cutting of the umbilical

cord is essels lo ot blied Rachma ow has used this method in 1000 covers from 1000 1011. We deli ery the mother hould I con he be, and houll not be med. The rapration of the chald a d the pulsation I the umball al evels hould be satched. Alt 121 8 minut. th houll be satched. Alt 121 8 minut. th cut at a listance of about 4 m frum th umbalc. The cord is I gated only in as 4 I n se re

the cord is igacci only in a w. 1 P. See
men rings in h ting a path I go al onditi
Not or child in the sin little from hamor hage
from the non high d or I ligatin was necessary
in only 1 per cent (the use mostly in harmo
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CHECK

PURRPERIUM AND ITS COMPLICATIONS

Porter W D Puerperal Eclampsi with Special Rtf r nee to Pres ntion La 1Cl q 4 46 By Surg C nec & Obst

The uthor urg that d rang pregn ney pec I to the giv wom n who have hul pre tout the feelampe which his top of ephant or which was ab mailtent but yof the ne tout the work of the manner of the manne

By Sign Check Check.

The author quot some interest g at 1 at cs howing the gre 1 ruse the 1r alence 1 g type (seps) d n g the past half c at nr. The gre 1 tax ges 1 userper 1 sepsis began to decrease (ter the e table shim t floot tal in the ghierath turn 1n 441 0 Wendell Holmes what on

the "Contagiou ness of Puerperal Fever and in 1847 Semmelwers published "The Observations by Helva.

Ampenuster and kong have proved that a ski infection does take place me a small number of cases Langemuster reported too cases in which an extragent all cause could not be found. He found striptoocci as a primary infecting gent in 132 ye se enpercent talphococci a percent backle communius, a per cent insermococci as per cent unknown a per cent il lower rich auth rebet that the source of inf cti n is more often cattar gent !

The author does not believe that an int rnal is ammation is incts any except who no monoprative procedure must be und reaken or who it is absolutely impossible to make a diagnoss by established manupulation. When the presenting part i in the mid or inf ror strat it can be fell by ju hing with the glo c1 hand upon the side of the valva, or in serting a finger in the rectum. We the proper aseptic care on the part. I though the properties are provided in the properties of the properties are not be part. I though the part. C II Davis.

Hirst J C. Th Routine Treatm at of Puerperal Sepals J in M 4 1914 has 1873 By Yrg (1980 & Oise

The precentive treatment of separate so be ummed up in two word urgic leckant ness. The nearer the bettine use is handled like a my resurgical one, the less will be the danger of infection

The tenhasati not heet g use too ha, and otto i fire matter of some discully If acce to a hop tall a thiaze can be had, i aren under precure un an utches is the most if a ren method. The time hone i custom of baking in the kit h no n has a liuc na dasa re. Unlet the home tall are so harra! a practically tod niest the hop to the hope in the hop to the hope in the hope is the hope harra! a practically tod niest the hope is the hope in the hope is the hope in t

busicate ar ope to upica.
The physician he lives by hand jules cr full as if abott per te and in addition should wear a tend trill tagon nibiled tubbered.

The first step in the cur ti e fr it into equicamin is the local lisinfection. If the gential canal
common five but erroneously speken of as curiting
— an operation more abused than in passing leave in
bit the lit in local linear riperly as and
properly long is foodled or finear housed—impropproperly long is foodled or finear housed—improp-

erly done it may be him cidal

No anesthesi i necessary. The patients i placed natile did than and spins ar arfully claused with stin i ture of grein scap and still was refully a fuche fraction mercure children believes. The an profined the control of the still still still scale in and palled down threst best into easily and palled down threst best into easily still still scale in the scale in the still scale in the still scale in the scal

of death and materation in 52 per t at of the see while in 48 per rent it must be exil le las the cause of teath.

During h taly the author f und two other fact its that are of importante in the liagnost f a) ibil a s) ibil tir estruchondritta at 1 an a' norm al relate a in w ght between the spicen liver to althe total we ght of the f tus He carried out ta f riber experiments in a g rd to these two facture that c terme I be pers a res lts. The w jeht r latium betme n the plac nia und futte ac origin the athra atrumi wantled a in prairie future fut m ath 1 275 in non syfhlip 2 225 316 tac I tuse in the eghth at the same an hit little I to in all fatures dan gabe mi th mouth I a 44. 1

Unterberger Jr 1: A M thad of Determining the Degree of Dilatation of the (to during Labor by Internal Lumination (lace it thate to Lesturam a der in se des Muterm ale i tra-

2 114 2 B) & stall (d gra () ik a telested a LC vera The last that with every parathet by of the oil the removants firely while the her expanse part f the utru h not our ign sales is for octers as g at a v ry early stage the post n of the traction or g. The follow the usus distern, the pore the ter a stretched than there we the higher the cortex to over When the cases blate I to the see fa use auch ; ce it an bo fit two trees to the alore the pr by at the tire to re breaths above it the co to di ted to the suc of the pulm of a s said b : 1 and when there i corpse ly faterial it i a r ger breadths above the year year and the a trant tracky much old purish a steders to over last thou of the lift segment of the t t I that at ree for the is see sary to use the method as 1 's but a n p 1 1 in the m de schools mork in t the method was tot I in so is recard ther we only 5 per c at of errors in use on In rark d diport) rilms t times be medicall or even int while to use this method It ad a tare a that a loc se the are unty if int to Lexaminates

Hochn () External Faamingtion during Labor ([ther we Less guld h t d dure | the total the total for the technical of the total total total total for the total total total total for the total to

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pergal frat mal same to Thus during labor With urh i nt p tac an I full the signs carefully diagnost in he sail of the pr w ting part and it rel t t tl true ; i is If the head to presenting the dit ne of the horizontal lines of the fir til from the amy him hows how a horizontal lines of the hairs the first he degree of idatation of the os n bo be det emined

by aternal examination. The contraction mee serves a guide here but it can only be felt ben the bistler is musty and d mag the pums if lat w : It w cole g normally the contraction n : a il he foun I about four finger breadths also e the symphys. when the os is fully dils ed. If the contraction mag no a be f it the on his not diluted to the size of a fire mark piece. Bet en these to c did no he the 1 Tree t atages of idatation of

the or The contraction is g most clearly refused as the f tot ge to join me it is less clearly marked in m it pure on set a tof the unce and resot nee of the soft parts. If the revoluter a patholog ally increased of there a delective tengress in the delivers the satracts a ring a for ed to an abturnal he ght with hope I take of the cernic In such case a se complete aformation must be blasted by set mades managen. In son taken I at their than et em ed the degree Additation of the only et and examinating all only five fr et of fall res and th author green w h hm il the neilolu t actory fr Int

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design) b deradad a facel era b lall t & ell In a case I complet post partum at my with t 1 and ton 1 the author meeted a lit of were the more at salt solution to the umbalcal a a thille to t that tring attactions of the tigu t h the site mats, and afte to del red w thout m not the lac at we del red without graf he f block. The a ther attent ten thus In pt ifeet to the t t g od of the horion ue f the plac ot and to th merease in the h come (tried by & (the tile at | lie h | +b) the method to a side manual segue atom in the Lur t ulet s

Gulld I P. Ret tion of Membeanes in Juli Frem [hill ery (Live use Reter at an Libar be der relate in Lecture) Ig & flager

By dest and I de to mak a terbande d terregele

The que tan f the mys ta of ret tion of n ml nes ha bee red n bas eres Countist trat Irtugi tails of 4.0 > f mbrec 10 plat in al cases with ret two 140 c ses He milules that treatment in the thel t ge has good of al to do with the tintion In mbr es acts e methods uch as trade (you get at a Ret to f membr nes found Sener & Shantel th abnormality of the placent than whe the pla nta is normal

Rt nti of membranes probabl does t pla a very impo tane part post partum harmorrhage The purrperal mortad t is som whit gre t r in ases where the membr es re ? sau ed but t mut sensitized streptococcal vaccine for prophylactic use in maternity practice.

2 The use of a sensitized polyvalent streptococcal vaccine as a prophylactic is advised in the event of an epidemic of puerperal infection.

event or an epigemic or purpersu micetion.

3 That doses of 100 250 and 500 millions of this vaccine be given the expectant mother, at forty-eight hour intervals ten to fourteen days before the expected date of confinement

The author uses dead bacteria in preparing his vaccines C H Davis

Geilhorn G: The Management of the Puerperlum a Chapter in Preventi e Medicine. La cal Cl s 1914 cm 722 By Surg Gynec & Obst

The author ducuses the dangers of the puter perum. He criticizes the tendency on the part of some German obstetricans to get their patients upsorbly after confinement. These women need rest the length of which should vary according to the needs of the individual cases, but should hardly ever be less than two weeks. Olthausen has stated that oper cent of all acquared retrofessions of the uncreased of the confinement of the confinement of the uncreased of the confinement of the polyse that retrofesno of acquared origin continues to produce a disturbance in the architecture of the polyse that sooner or later subjective and objective symptoms will occur in all cases

The fulure of medical men to agree on a higher standard of obstetrical service and a b gher remuneration, the author thinks has helped to confirm in the minds of the public the bell of that partition is a more or less negl pible condition. As a result our hospitals are filled with women and most of the operations are done to correct disorders which in their last small yas are due to failures of the trans-

Fabre and Dujol Influence of Gonorrhos on the

Puerperium (Influence de la gonococcie sur le puerperi m immed at) Bull Soc d'ob i i d gyaéc q 4 m 200 By Zemtralbi f d. ges. Gynak, u. Geburtsh a. d. Grenzgeb

The author believes the harmfulness of gonorrhors is enggerated. Every disease of the puerpenum that occurs in a suspected gonorrhora case cannot be attributed to genococcu of the streptococcu are by (.) purulent lochia in which gonococcu are fou d.) delayed unvolution of the uterus (!) irregular and generally moderate fever (.) a quack-ned pulse and very good general condition. Severe consequences only follow when the voices man has had a didn and the condition of the control of t

metrum

Among 600 pregnant women the author found a
suspicion of gonorrhora in 3 n 22 of whom gon
orrhora could be demonstrated chimically and
bacterologically Ten of them had no rise of temperature during the puerperum. Of nice women
who showed only the chimical signs of gonorrhora

two had fever Complications due to gonorrheas therefore occurred in only 5 per cent of his patients during the pureprism as contrasted with 25 per cent given by other authors

42I

MISCELLANEOUS

Schottlaender J Theory of Abderhalden a Pregnancy Reaction and Remarks on the Internal Secretion of the Fernale Gentralia; Consideration of Morphological Funcipies (2ur Theone der Abderhaldensche Schwangerschaltsreaktion, some Annerhungen uber die unsere Schreiten des wenteren der Schwangerschaltsreaktion, 2ur popular of the Consideration of the Consideration of the Opposite Consideration of the Consideration of the 2xxv 445 and 2xxv 455 a

By Zentralbl. f d ges. Gyndk. u. Geburtsh s. d. Grenzgeb.

The author discusses the question of whether new points of view may not be discovered with respect to the source of the protective ferments in the pregnancy reaction as paradoxical reactions in some cases of tumors of the adners, carcinoma, and myoma cannot be explained in the usual way He believes that the decidua is involved either alone or to a considerable extent Behne has shown that in preemant cows the maternal and fortal parts of the placenta are catabolized separately and Deutsch and Kohler found catabolism of the decidua in five cases in human beings in this the deportation of villi does not play a very important part direct contact of the fortal epithelium with the maternal vessels disappears early in pregnancy The materials originating in it reach the maternal blood via the decidua.

As the chorionic villi normally disappear soon after delt ery and as protective ferments can be demonstrated 14 to 21 days after delivery, decidual elements may be acti e It remains to be shown by systematic research whether the ferment reaction persists longer after abortions, and whether it is particularly strong in cases of hydatidiform mole and chorto-epithelioma The intermenstrual period is analogous to pregnancy The theca lutein cells in the ovaries are especially well developed at this time Decidua cells appear outside the uterus. in inflammatory conditions, during the antemen strual period The fact that theca lutein cells I ke decidua cells always seem to appear when the epithelial cells of the corpus luteum seem to have exceeded the maximum of secretion and the fact that decidua cells are found in inflamed ovarian cysts seem to indicate that the two kinds of cells have a close mutual connection. The decidua, not the pregnancy is responsible for the persistence of the corpus luteum. In patients with amenorrhoea the development of an antemenstrual status must be considered. The fact that a positive pregnancy reaction was found in patients with amenorrhora is perhaps to be explained by the fact that, when there was hyperfunction of the ovanes an antemenstrual status was brought about but in patients with hypofunction it was probably explained by the presence of theca lutern cells. The further consequence of this would be that sometimes there would be catabolism of the placenta in gris just before puberty.

Bentum

Zweifel Herff Hofmeler and Others Significance of Abderhalden a Reaction in Obstetrica and Gymecology (Umirage ber die Bedeut og der Abde haldenschen U tersuchungsmeiboden for die Gebutschile und Gynaklogop Met KI

Berl. 10 4, 2, 453
By Zeniralbi. i d gea. Gynak. u. Geburtsk, s d Grenzgeb.

A series of questions was sent out with a view of getting an idea of the importance of Abderhalden a method in obstetines and gynecology. The questions were (1) What results have you obtained in your clinic with Abderhalden's method? (2) is the methof practical? (3) From your experience what is the general value of research in the direction in augurated by Abderhalden.

rafteen university clinics answered the questions in detail and gave the number of cases they had examined Twelve reported excellent results among them Zweifels Herff a. Hofmeier s and kroener s chnics Bumm's Stoeckel's, and Menge's had less favorable results The majority of the investigators agreed that the method which gives its best results only in skillful and experienced hands is of great practical value and even indispensable in differential diagnosis Some of the individual cases demon strate this for instance one from Winter's clinic where it was necessary to make a differential diagnosis between ectopic pregnancy and inflam matory disease of the adnexa. Abderhalden a reaction was negative and operation confirmed this result A similar case is reported from Zange meister's clime where it was necessary to make a differential diagnosis between tubal pregnancy and tumor of the adnexa Abderbalden's reaction was negative twice and operation showed a tumor of the adnexa. All were agreed in answer to the last question that the research opened up by Abder halden offers the most unusual prospects

WILDERNUTE

Krupski A. I The Clinical Value of the Abderhalden Reaction (De kh siche Wert der Abdhaldenschen Reaktion) R sh V och 9 4 zm,

By Zentralbl, f d. ges Gynak Geburtsh a. d Grenzgeb

The author has used the Abderhalden ceation in over on cases among those examined were normal and eclamptic pregnant women women during the purpersum and after abortion and non pregnant women. It was also used in cases of camer. The results cannot be given in detail. The author finds that the reaction is positive in detail of the abortion of the abortion and malagnant itimors. He also finds that it is always positive in pregnancy even it a cry early stage. He thinks this fact is of great importance for the diagnosis of pregnancy in the first

weeks or even months is often very difficult. More over the reaction remains positive for two weeks after delivery or abortion. This has practical value in clinical work and in legal medicine. The author beheves that this is the extent of the value of th reaction for the present.

Esbensen L. A. Use of Extract of Hypophysus in Obstetracs (Der Hypophysenestrakt 1 de Geburtshil) Uggil J. Leger 19 4 it 11, 635 By Zentralbl. I d ges Gynak. u Geburtsh. a. d. Grenzgeb

Esbensen has collected 166 cases in which extract of hypophysis was used pituitin being used in some of the cases and patuglandol in others. He prefers pituitin. From his examinat on of the material he comes to the following conclusions.

t Extract of hypophysis produces or strengthess the contractions in most cases. The contractions appear rhythmically with pauses between them

2 It cannot be assumed that the contractions caused by extract of hypophysis are not similar to the physiological ones because the pressure rises in the pauses between the pains this occurs in the ordinary pains when they become stronger 3. Youtuon cannot be caused by it.

3. Thortion cannot be caused by it.

4 It has the same effect in prem ture as in nor mal delivery if labor is in progress

5 In full term delivery it acts best during the second stage.
6 Good contractions are not made better by

extract of hypophysis but neither are they made tetanic
7 The remedy has a regulating effect on painful

contractions that are not producing any effect
8 It seems to prevent rise of temperature at

least to any considerable degree

o It dul not cause post partum atony in any
case

10. It is not dangerous for the child.
11 Heart disease is not contra indication to
12 use neither is albums una nor slight nephritis
12 It should not be used in threatened eclampsia
2 A Gairgartory

Bertoloni, G Use of Extract of Hypophysis in Obstetrics (L pote pus pofisses in osteticus) Fol 1920 9 4 iz 47 By Zentraibl f d. gr. Gynak u Geburtsh z d. Grenzeb-

After a discussion of the literature the author report his win results in ag cases. He used extract of hypophysis made by different firms in cases of abortion premature delicery contracted pel is, placenta prævis attory in the first allocond stagers post partium story as a proving and according to the property of the contractions, once the certage applying of the feetus and severe hemorrhage in the third stage | other cases the remorely failed or the results are so unsatisfactory that operators and sometimes | there cases also there was a good and sometimes | there cases also there was a good

effect and in one case the use of forceps was avoided He has no great enthusiasm for the remedy and thinks that as it is rather dangerous it should not be placed in the hands of inexperienced practitioners and midwives

Oertel C. Laudanon in Obstetrics (Laudanon in der Geburtshilfe) Afunchen med Is chusche 1914

By Ze traible f d ges Gynal u Geburtsh s d Grenzgeb

Most of the alkaloids contained in onium are not necessary to produce the full effect of opium they are unnecessary ballast Some of them however are very useful Thebaine for example inhibits the paralyzing effect on the respiratory center stimulates it in fact and decreases the irritability of the comiting center

Laudanon I an onum preparation tested by Faust contains 6 opium alkaloids morphine narcotine codeine papaverine thebaine and narceine Laudanon II which has about the same ffect has the same constituents but contains less

narcotine papaverine and narceine

The author tested audanon on 4 women and 43 found that the pain was mark dly decreased and especially so in a case of septic meteorism. In 32 of 33 women the second stage and the delivery was rendered less painful in some cases free from But two cases which had been gi en pituglandol hortly before for t ny the con tractions stonged gain completely 'llmost all tractions stopped gain completely 'lmost all the children 'ri d immediately after deli ery in only one case artificial respiration had to be carried on f 15 minutes on count of paralysis of the

respiratory center No unpleasa t by o after effects w re obse ved in the mothers, n pite of the fact that som of them were given as much as 6 ccm of lauda One ccm of laudan n was giv n intramuscularly

the first effect becoming perceptible fire ten minutes it was complete after 30 minutes and lasted two hours, when if necessary anothe com was njected. Women who had not been go en laudanon before were given 2 ccm at once one half hour before delivery was expected

Laudanon has pro ed of value in eclampsia also to cem quieted the mothers so that delivery could be completed without ajury to mother o child EHRE SERG

Accence G Pathological Anatomy of the Picenta III Albuminu is (Ricerche ull anatomia patologic della placenta Nota Alb maur) Foi gyace 9 4 iz
By Ze i Alb ji d ge Gynal. Gebuttah d Grenngch

thor has demonstrated changes a the

placenta in eclampsia and in pregnant women with albums ursa he regards these a the anatom cal ubstratum of these auto intoxications. In women ith bronic nephrit show ngan cute exacerbation there re generally changes n the vessels while in the toxicoses of pregnancy there intense atypical probleration of the syncytium which penetrates the villa themselves and leads to deformity and nodulation of the vills in other cases conglomera tions of villi are formed that lead to stass and dis turbances of circulation in the subdecidus by de generation and proliferation fibrin formation and stratification and in conjunction with separation and destruction of the syncytium cause the forma-tion of nodules in the placents. The destruction of placental tissue and the passage of these placental substances into the blood causes the well known symptoms of intoxication changes in the blood the vessels the liver and the Lidneys Renewed and stronger hamorrhages are caused in the placenta and basal decidua by the hypertension of the arteries nd the increased blood pressure WEISHALPT

Lampe, Arno E and Fu ha R.; The Action of the Blood Serum of Normal and Diseased Indi id uals on Placental Albumin (Übe das V halten des Bl tserums Gesunder nd Kra ker gegenüber Placenten ens) Deul he med Il chniche 10 4 xl

By Zentralbl f d ges Gynàk u Geburtsh s d. Grenzgeb In contrast with the findings of Michaelis and Lagermarck the experiments of the authors with sera of different origin from pregnant and non pregnant male a d female individuals shows that placental albumin is catabolized only by the serum of pregnant women and that this reaction is therefore stro gly specific as held by Abderhalden In thousands of non pregnant cases no ferment was ever demonstrated that acted on placental albumin One or two rare exceptions to this rule do not justify the conclusion that the protects e ferments are not specific but should only stimulate an interest in

Zwelfel E. Esperiments in Influencing the Bacterial Content of the Vaging in Pregnancy by Medicinal Irrgations (V rsuche ur Ber n-fluss ng des Baktersengehaltes der Scheid Schwang erer durch med kame tose Spul ngen) M natschr f Geburtsk s G ak 9 4 xxxx 459 By Zentralbi i d ges. Gynak Geburtsk s d Grenzych.

further ferment studies

The author experimented as to the possibility of influencing the quality of the vaginal flo a hy irrigation with different disinfecting solutions. He describes the technique of his e periments There was a decrease in the bacteria, which did not last very long by irrigations with solutions of oxycyan te bichloride lysoform and potassium permanga ate The number of cocca was decreased and the resistance of the vaganal bac lit to the right ng solutions increased after a tim the cocci reappeared as before After three days lysoform irrigation the number of vaginal bacteria was about the same as t the beginning With a per cent silver nitrate solution th re was a marked d crease in the cocci Pa nting the vagina with indine solution and

the application of alcohol t mpo c used a de-

crease in the bacteria, but the number of cases was too small to draw definite conclusions. Directly unfavorable results were obtained by irrigations with distilled water boric and and aluminum acctate. there was an increase in the bacterial content and the proportion of cocci to bacilla was increased that is there was a relative increase in the pathogeme bacteria. With the bolus treatment there was a disappearance of the discharge during the treatment the bacteriological results were un satisfactor

There were good results from a ten-day progation with a one-half per cent lactic acid solution. Irriga tions with bichloride oxycyanate potassium per manganate and silver mitrate solutions are to be recommended for pregnant women who have a pathological secretion shortly before or during delivery There should first be a mechanical cleansing of the vagins from bacteria with z to 2 liters of salt solution, then irrigation with 100 to 200 ccm. of x 2000 bichloride solution. This should be used only when bacteriological examination has shown a nathological secretion. The question still remains onen whether only cases with streptococrus py ocenes. should be irrigated or whether those with staphy lococci or other species of bacteria should also be urrigated. In normal patients with normal secretion these medicinal irrigations are entirely superfluous they are certainly not necessary and may even be harmful even lactic acid irrigations can be dis pensed with. MODALLER

Wallich V and Abrami, P : Changes in the Blood in Angenia from Obstetrical Harmorrhages (Des modifications du sang dans I s anêmes par hem orragues obstêtricales) Ans de tynée et d'obst

Par 0 4. zh, 72 By Zentralbl. f d. ges Gynäk, u. Geburtsh s d Grenzgeb

Two forms are to be distinguished () Hamor thages setting in suddenly and violently (2) those setting in gradually and lasting for a long time. The authors endeavored to determine certain indications for treatment Increase in the rapidity of the pulse is a useful measure of the strength and dangerousness of the anemia and runs parallel to changes in its degree - blood pressure is of less significance in this direction

By animal experimentation the authors studied the reparate e strength of the body and the changes in the blood-picture connected with it and came to the following conclusions (1) Blood pressure is of no value in prognosis (2) Increase in rapidity of the pulse is of more value, but not of decisi e val e without the blood picture which is the most im portant factor in prognosis The number of crythro-cytes shows the degree of loss of blood but does not denote the degree of resistance of the body to this

The authors believe that the resistance and the capacity of the body to react to loss of blood can be judged by the following symptoms In the first grade where there is strong resistance repair is shown

by the meaushty in the diameter of enthmoster. the presence of blood-cells containing grandes, and polychromatophilia. In the second grade, there is less reaction, and in addition to the foregois less reaction, and in audition to the torega-ing symptoms there is poscilocytosis. In the third grade the last reserve forces of the body are called into action and nucleated red blood-cells appear

Stolper L.: Etiology and Diagnosis of Hyperemesis Gravidarum (Zur Almogie und Disenose der Hyperemess gravidarum) G ht Rusdickes, 1014 vn Be

By Zentralbl. f. d. ges. Gynill. u. Geburtah. s d. Grenneb.

Hyperemests is a toxicosis caused by cells original ing from the periphery of the ovum and circulating in the blood. Hyperemesis is dutinguished from normal pregnancy by the fact that the disintonical ing mechanism of the body is affected or more rarely that there is an increase in the amount of cell toxins circulating in the blood. The mechanism of disintoxication is to be sure not thoroughly understood but the liver the corpus luteum, later the interstitial glands, and the placents take part 20 1t

The author believes that the hormones of the above-named glands with internal secretion, and perhaps others also act through the liver as a center so that hyperemesis is not an expression of in sufficiency of the liver but of the organs which affect disintoncation, especially many of the glands with internal secretion. In diagnosis he thinks the determination of disturbance of sugar assumi tion is important. It is a symptom which is to be attributed to the toxismia of pregnancy c used either by the deficiency in ovarian function especially that of the corpus luteum by a hypersensitiveness of the Lidneys to sugar in the blood or even by manuti a

Lutz, W General Dropsy of the New-Born (Zur Lehre der allgemennen Bangenucht des Ausge-borenen) Cor Bl. f. schweiß. Arzie 1944 240 230 By Zentrabl. I d. gts. Grank u. Geburgh a. d. Grangeb

The author describes a case of general form drop-The mother had albumin and marked ordens The Wassermann test was negative in both mother and child The placenta was very large Automy and histological findings are given in detail. The author timbutes this case to blood disease in the feetus with general by drops The blood-pucture is terms with general Bytorps. Are bioco-picture is very similar to but not id utical with that of mys-loud feukemus and the abundance of nonleated red cells is probably to be regarded as a special type of reaction of the blood forming organ of the fatus. The oxiema was probably caused by hypertrophy of the heart, and to some extent also by injury to the capillary walls as a result of the extreme changes in the blood. The two factors together hypertrophy of the heart and injury to the vessels, would explain the ordems. But cases of ordems without blood alterations show that there must be other factors in

the genesis of cedema. The author distinguishes two groups of cedema in the new born those with and those without changes in the blood Possibly the same hypothetical torus causes both groups.

EISENBACH.

Fuchs: Resuscitation of the New Born by Werth's Handkerchief Movement (Zur Wiederbeleung Neugeborener mittels des Werthachen Schnupfruch mandvern) Moust der f Geburtik u. 67, dk. 1914, xxxx. 467 By Zentralb, f. d. ges. Gynkk Geburtik a. d. Grengeb

With the child held in a hanging position by the thighs with the right hand while the left hand supports the nect. the heres are brought up to the left cheek by strong comprision of the allotomen and thorax and wiped formity over the mouth and nostrils in the manner of a handkerchief. This causes a very strong expristion and the docharge of the murcous in the uppor air passage. These like the control of the murcous in the upper air passage. These like that is also the control of the murcous in the upper air passage. These like that is a lost strong the control of the co

Geipel A Case of Total Anuria (Ein Fall von totaler Anurie) Z straibi f Gy dk 914 222 5 7 By Zentralbi f d ges. Gynák u Geburtah s. d. Grenzgeb.

A 3 year old III para had premature separat on of the placenta and a 7 months foctus was delt ered after dilatation with Bossi's dilators After the delivery there was absolute anums which caused death after four and one half days toward the ad there w re symptoms of uramia and albuminume retunitis Autopsy showed e tensive necrosis of the cort x of both kidness A detailed description of the microscopic findings is given. The interlobular art nes showed extensive thrombi little d stance from the necrosis, and the beginning of the thrombi was central Though there wer no other symptoms of it ecl mosia must have been the cause of the condition RUBERAS'

Gelpel Presence of Decidual Tissus in the Lymph Glands (E. B. strag um Vorkommen des decidu alen G. w bes in de Lymphdrisen) Z. tralbi

f Gy ak 9 4 xxvu 5 1 By Zentralbl. f d ges. Gyrak u G burtsh s d. Grenzech.

The first observation of this kind was made in a patient with severe anzima, who died in the second balf of pregnancy. In addit on toe tensus decidual profit r ton. Do glas pouch and the lower th rd of the omentum, decidual proinferation was found for the first time in the pelvic lymph gla ds. The cortical sains was cheffly involved: in the more acteurs a proinferation swithin no ided one-fourth of the gland the decidual tissue extended toward the center between the follicles and comp essed them. There was no connection with the peritoneum. In the systematic examination of two other cases only

one gland was found in one of them that showed a focus of decidual transformation. This prohiera tion represents a specific reaction of pregnancy

Turns J Use of Momburg s Elastic Constriction Gauss Compressor in Obstetrics (Ther Larrendays of Compressor in Constriction and Momburg and Construction and Momburg und Construction of Construction and der Geburtshife) Cas 165 Sept. 1914 bit 89. By Zentralik J d. see. Grank u. Geburtsh. a. d. Gernsch.

The author first gives a historical review of the compression of the abdomail a nort in obstetries and the physiological and clinical experiments performed along this line. Results from to cases from Rubesta obstetrical clinic show that in properties of the control of the con

Subjectively the constriction was well borne in most cases in five cases it had to be discontinued because the patients found it unbearable. There were two cases of death among the 50 cases once because compression was applied too late and the other occurred suddenly as hours after debriety—in this case autopsy did not show any connection between the constriction and the death.

Gauss compressor was used successfully in ten cases. There were no objective or subjective symptoms is libouring it. There was one death from streptococcic separs. Momburg's compression can be used in suitable cases and with certain precautions in private practice and both methods can be used with good results in the hospital. Parksa

Jijim F Air Embolus in Obstetrics (Die Luftem bolie der Geburtshif) J k k s. 3 nsk belier St Petersh 9 4. zz 34 By Zentralbi f d. ges Gynak u. Geburtsh s. d. Grenegeb

His experimental study of air embolism caused the author to undertake a critical review of the cases published in obstetrical literature. He recog nized only three cases as authentic one each of Olshausen Saubourne and Litzmann.

The remaining cases were only probable diamoses or they mit the rejected because either the clinical or the path logical anatomical evidences of air embolism were not sufficient this is true of most of Olisha sens cases. The danger of obstetrical air embol is in seven much exaggerated and the text book figures as to its frequency should be corrected

Only an autopsy undertaken with the necessary care with complete macroscopical and microscopical examination of the organis, should be regarded as sufficient evidence for a diagnosis of air embolism.

knoop Gummert and Bach Dangers of the Use of Intra Uterine Methods of Presenting Con ception (Uber die Gefahren der intrauterin angewendeten antikonzeptionellen Mittel) II nat-sekr [Geb rich w. G) nich 1914, xxxxx, 406.

By Zentralbi. f. d ges. Gynak. u. Geburtah. s d. Grensgeb.

According to knoop the decline in the birth rate is not caused by a decrease in marriages, a decrease in fertility or an increase in venereal diseases, but by a voluntary limitation of the number of children. It is caused to a slight degree by continence in marriage but chiefly by measures taken to prevent conception or by abortion. Nomen generally use vaginal or intra uterine appliances for preventing conception. In the vagina they use sponges, and occlusion pessaries of rubber gold, and silver All these things when used for a long time cause stasis of the uterine secretion irritation of the yagina and vaginal and uterine catairh Much more harmful, however, are probes and intra utering

yringes The syringe is extensively used in Germany for the purpose of producing abortion. If the fluid generally soapsude a solution of acetic acid or lysol.

18 injected at too high pressure it penetrates the abdominal cavity and causes mild of severe discase at may cause perforation of the uterus. Douelas a pouch and the bladder

Intra uterine pessaries were formerly used theirpeutically to correct malpositions of the uterus, but later they were recognized as dangerous and replaced by external pessaries. In the most favorable cases the intra utempe pessary causes catarrh of the utems. and in some cases, it has caused harmorth go ain ple and purulent discharges, parametritis, perimetritis prosalpingitis perforation of the uterus and death. The sale, use and manufacture of the socalled maternal syringes should be forbidden the probe should not be displayed in show windows.

advertised or sold to the laity GUNNERT says more women lose their lives to-day as the result of the use of probes and syringes to prevent conception and produce abortion than ever died

from labor Bacir discusses the medical gal questions involved in the sale advertisement and use of means of preventing conception and producing abortion under the German law PHRE BLEC.

GENITO-URINARY SURGERY

KIDNEY AND URETER

Souchon E. The Philosphic Anatomy of th kidneys. V Orl M of S J 19 4 hvs. 833. B) Surg Gyner & Obst.

The author describes the anatomy of the bidners in a cy entertaining manner laying special stream the fact that the kidney; en loosels situated to still faced also that the kidney like the brain throls when held in the hand. One of the unqueation the size is the presence of the adipose capable the purpose of which is protection. The histological transportation of the kidney lacitly described and the irisking of the organ to its physiology is throughly brought out.

V D LEstNussf

Da S L. Calculou Anuria with Report of Two Cases. S g G₂ or = Obst 9 4 xviii 676 B Surg G nec & Obst

Two cases of uccessful operation for calculous nursa are reported

In one case of suty hours duration nephrotom was done with spontaneous passage of sit nes fate. This was a case of solitart kidner. In the other case there was anurs of ix days duration 'A kidney compi tely destroyed by tuberculos was remo ed on the right side and, at the same sitting a nephrotomy was performed on the left for ob-

struction of the renal outlet by stone. In a critical analysis of calculuous anuma recorded in the interature the ries is expressed that the few cases cited as example of reflex inhibition of an unobstructed but more or leas diseased kidney, as a result of alculuous obstruction of it fillow are to be explained more correctly as the functional failure but the control of the contr

result of alculous obstruction of its fellow is la lang Cak low anuras shuld be considered and treated purely mechanical problem. Pyclotomy who pract able is to be preferred to apphrot m. The remove 1 of the ston is an ideal to be trained when

er possible Bilat ral operation is indicated whene er the isdues first cut down upon is nade quate b istell to ustain the work of hims toon of the body. It nat rally follow that the bilat ral operat in should be performed whenever the hadney list in dow upon is parterally unobstructed that the operation of the bilat ral operation is the state of the stat

Boland, F K Injuries of the Lidney [4 and J R M d 9 4 km 7 By Surg Gynes & Obst

This pape is pract cally a rives of the more exhaust; e report of traumas if the kidnes. The

uthor states that in 40 per cent of ubcutaneous injuries to abdominal viscers the kidnes is the one affected and that in 80 per cent of such cases hæmaturia is a prominent symptom. In 1903 Watson, of Boston reported 660 cases in 10 cases of which blon or falls upon the front of the abdomen are stated to ha e been the cause of laceration of the Lidney and in all but two of them this was the sole result of the accident Blood in the urine is the most constant and of course most characteristic sign --the hamatura how er may be slight or absent If only the capsule of the kidney is torn blood will not appear or in very severe injuries where the ureter is torn across at becomes clogged with blood clots and the quantity may be small microscopic or enturely ab-ent

Sepan is the greatest danger after hamonrhage han go occurred in Watson's series in 68 of 486 east. The vein was found torn in 1,0 of the same authors a cases and the atters once in 1,0 of 60c cases only 0 e kidney was pre-ent. This proport on will be noted to be much be given that that usually gir on horizon clause of the corollag to the statistics of Lumpean clause one kidney is about in every two thousand persons.

Pent mits is an infrequent complication. The author quotation from Tuffier is worth repeat no namely that this capable experimenter and surgeon has demonstrated b experimentation n animals that no urine flow from the surf ce of lacerated renal wounds and that in order to have unnary xtra assison under such circumstances the renal pel 18 or one of the alyces must stand in communicat n with the renal urface through the wound also the same experimenter has shown that the introduction of urine into the peritoneal casity does not cause perstonitis provided the introduction is made grad ally once or even repeatedly and inter ficient length are allowed between the different atrodu to us whereas if the flow is continuou the contrary 1 the case

Watso s figures how a mortality of 27 per cent a casas treated espectant per cunt in cases treated by operation that than applied only 35 per cent in cases treated by nephrectomy and 35 per cent in cases treated by nephrectomy.

Azars P Total G ngr n of the Right Midney Secondary to a Perincphritic Phiegmon (Gangrane totale d ren drost secondare à un phiegmon plan phritique) Ga. d p 914 xxx 633 by Journal de Chrunge

A patie t of 31 had had a set re b rn of th neck and right arm at three years f age. She men structed at 1 married t 6 and had three normal pregnances. Six months after the first delivery she began to have a sweling of the leg the cyclids and the upper extremities. A diagnoss of nephritis was made and a milk diet prescribed. At the end of two months there was still a little albumin

In January 1014 the ordems reappeared and was especially marked in the right leg which had a cyanotic tint there was pain in the abdomen, more severe on the right side and irradiating into the humbodorsal region of that side. The temperature was 38.5" pulse 100 her general state of nutrition was poor The urine showed albuman q per 1,000 cylinders, red cells and leucocytes. The abdomen was distended with gas and the abdominal veins showed supplementary vascularization Bimanual paloation of the right flank showed a hard resistant smooth oval mass with indistinct boundaries. The duliness passed into the henatic duliness. The diagnosis was chronic nephritis with night pennephritis There were aymptoms of compression of the large veins and threatened gangrene of the right lower hmb Operation was performed Feb a rosa Lumbar incision showed a mass surrounding the right Lidney the volume of which explained the stass in the right leg Incision was followed by permephatic phlegmon A tampon was used For a few days there was a fetid discharge and on the twelfth day necrosis of the whole Lidney was discovered Externation of the organ was accomplished without hamorrhage The reco cry was without fever but with persistence of a small quant ty of albumin The autho believes the necrosis was due to the compression of the vessels of the kidney by the pennephritis. The lower limb was also threatened with gangrene from compression of the right iliac vessels CE \ ILA DEE

Ramsey W R.: Infections of the Urinary Tract in Infants St P at M J 19 4, vs. 341 By Surg Gynce & Obst.

In this second report the author adds 100 cases to a series of 60 that he reported a short time ago In macty per cent of all cases the infection was due to the colon bacillus. Quoting Goppert he states that one to one and one-half per cent of the infants. brought to his chair suffered from infections of the unnary tract ten per cent being in boys, and unety per cent in girls He also adds a series of 20 cases of unnary infection resulting from a diplococcus resembling the pneumococcus, details of which he will report later Most of the acute cases apparent ly recover completely but are prone to relapses Pfoundler discovered that the blood from cases uf fering from acute infection with the colon bacillus was able to produce clump ag of the bacilly just as the blood after the method of Widal produces clumping of the typhoid bacill s The minumity how ever from one attack is very transient since reinfections occur so promptly Fortunately, chronic mafections are much less common than the acute vanety Several of the acute cases seen fi e years previously however are not chronic. They assume

the form of a chronic bacterium with more or less local irritation. Pathologically Ricker's faintwere few in companion with the severity of the symptoms. The records from microscopic examinations of the mucous membranes were usually negative. This included the microsa and submicrosa of the pelvis kidney ureters and bladder.

Reviewing the work of Himman the antior pouls out the futhity of the use of hexamethylenamus, particularly in those cases where the ludgey is involted. In chronic cases of batterians the sufforthinks the prognous ultimately bad.

IRWOUS KOLL

Stammaler A: Study of Aberrant, Supernumerary Ureter (Zur Lenatus der abern renden, über zähligen Letter) Zische f und Chir 1914, 1, 141 By Zentralik f. d. gea, Chir u.l. Genergeh

A 15 year old gut had had the habit of bed-setting Emmination showed too abernat upper numerary ureters which opened into the wigner has been of the introduct. After a careful functional test and a thorough emmination with the cyclope and a collargel routine purture it was found that in accordance with Weigert a rule the ureter emptying lonest down crossed the other and led to a separate pelvis in the upper half of the lidday. The turns of the supersumerary ureters was not

infected

Minmed operated as follows with complete recovery. The right kinkey was laid bure the supernumerary urefer was sectioned and an anisationous
formed between the separate pelver. On the lift
and the supernumerary urrier was legated off and
a part of the upper half of the corresponding kindry
resected. The formations of an anisationous with
not advastable in account of the pasting the
upper pelvos. The g it is now free from symptoms.

Rolando. S Intra esical E tirpation of Large Papillomata Implanted Around the Urettra (Sur lestingatio dana la vesse des papilloms volumneur à impla tation pin-uritrale) J éturd 1914 v 35. By Journal de Chruspi.

When a rather large new growth unphanted sround the unriers is to be removed to a advantageous to perform cathetensation of the corresponding ureless eather by extoscopy or through the opened hidder eather by extoscopy or through the opened hidder if so it is advantable to destroy the tumor without regard to the unter as experience has shown that the results are generally normal. Nevertheless to preferable to not them us of the urtless to preferable to not them us of the urtless to preferable to not the mean of the tendent to consequent this Rolandor recommend to a preferable to the hidder the meature is not found, the surgeon about fremewe the tumor after ligating it shows the implantate of the pedicle. The removal above the implantate of the pedicle. The removal or if it has been well ligated, with the expect

Hæmostasis having been accomplished the meatus of the ureter may be found without difficulty what ever its position. The operation is then completed by removing the pedicle and safeguarding the open ing of the ureter.

J Taxon.

BLADDER, URETHRA, AND PENIS

Simpson T Y A Case of Ectopia Vesicze in which the Ureters were Grafted Successfully into the Rectum Brit if J 914, 1, 2. By Surg Gynec & Obst

The author had as a patient a girl aged eight years who had ectopia vesicæ the symphysis pubis was absent and there was a bulging of the posterior bladder wall

Mer bherating the bladder Sunpson inserted a catheter into each ureter The bladder was re sected down to the tingonum, then dividing the tangular ligament the lower end of each ureter was turned back into the vagina in close prosini by to the antience rectail wall. Though a rectovagual mission the catheters and ureters were inserted unto the rectum and the free edges of the rectovagual mission sutured to the ureter. After seven days the catheters which protruded from the anns were withdrawn. The patient is now able to hold urine in the rectum for several hours. The whole procedure is based upon the principles of the Mayd operation.

Hasay Exam.

J huston J A. Lastrophy of the Bladder Lancet Cl 9 4 cm 692 By Surg G nec & Obst.

The author reports the case of a weman thirty to e years old whose posteror bidder will we also to dush with the slain urface. The opening was two and one half unders in old manter quite red not set dated thick muces. The unnecessity of the pair bones were e and o shalf nelse apart to be a support to the pair to be a support to the pair to be a support to the pair
The author ad ises th ta uitable pparatu made f German sil er be w n by the patient in j refe enc to operati n he also uiges that the patients be immunized against colon bacilli before transfer of the urters

ILRAY EXILS

Claybrook, E. B A Simpl Method of Bladder Drainage Old Dom to J 9 4 xxm, 305 B Surg Gynec & Obst

In ac t retention f urine due to stricture or hypertrophy of the prostate and other causes, whire it is impossible to press the catheter the author advocates the use of a good trocar suprapu bically to avoid repetition of tapping with the usual needle instead

As soon as the puncture into the bladder is made the style is withdrawn and a soft rubber catheter slipped in through the sleeve into the bladder and left in place withdrawing the sleeve carefully over the catheter a strip of adhesive is then given a turn around the catheter and the two free ends lastened down to the slan. The catheter is left in the catheter is the catheter in the catheter is left in the catheter is the catheter in the catheter is left in the catheter in the catheter is left in the catheter is left in the catheter in the catheter is left in the catheter in the catheter is left in the catheter in the catheter in the catheter is left in the catheter in the catheter in the catheter is left in the catheter in the catheter in the catheter is left in the catheter in the catheter in the catheter is left in the catheter in the catheter in the catheter in the catheter is left in the catheter in the cathe

remove the obstruction is carried out

Bladder irrigations through the catheter may be
carried on when indicated Theo Discreptivity

Venus V Total Rupture of the Urethra In a Child of Elerent Carculas Suture Cystostomy Recovery without Stricture (R plure totale de l'unitre chas un canant de il ans 't re carcula re cystotomu guisson sans retreassement) Bull et mém. Soc de dur de Par o 4 1 544

By Journal de Chirurgie. Leau reports the case of a young boy who fell astride the back of a chair and showed all the signs of rupture of the urethra discharge of blood through the meatus retention of unne with distention of the bladder permeal ecchy mosss Operation which was performed 16 hour after the accident verified the diagnosis The two ends were easily brought together and sutured circularly the suburethral tissues were brought together and the perincal wound left open with a drain Suprapubic cystostomy was then performed and a large No 30 drain placed in the bladder. The results were good nermeal wound cicatrized in ten days without sunpuration the urine passing through the bladder This drain was then removed and the patient urmated through the meatus from the twelfth day ery small hypoga tric f stula occasionally dis charging a few drops of urine persisted for 16 months 5 nce then micturation has been entirely normal

Manov took occasio to rever the late rusult of of oh so were case of reput of the ruptured urethra by the m th d to which his name has been given I sail to the occase subsequent examination has she will have been a constitute of the urethra. The examinations we made there to sax months The examinations we made there to sax months. The examinations we made there to sax months location of the urethra so that no instrume the location of the urethra so that no instrume to be introduced unless guided by a conduct; I boughe but as soon as the boughe we suntroduced the casal was found to be of normal sax. He rev we has method of repairing the rupture durethra which is the same as that discribed in the peration above

There is no trictu e

LEGUEU confirmed what Marion had said. His method has marked a great ad ance in the treat ment of it unmixim and rupture of the urethra there is o by one contra indication—that is when the loss of substance is so great as to prevent suture is such cases urethral autoplasty mu the perf rimed

J DUMONT

Marion G: Lat Results of Circular Ureth or rhaphy Followed by Derivation in Rupture and Traumatic Stricture of the Urethra (Kesttat floaghs des neitroraphus circulares su es de dérivation dans les ruptures el les réferencements traumatiques de l'arters) J & 914, y 533. By Journal de Chaurge

Marion reports the late results of the operation which he and Heist-Boyer have used some chiral which he made certain modifications in the methor resulting from expenses: The penneal urefallow tomy for derivation of the urine has been advantation of the urine has been advantation of the urine has been advantationable of the state of the stat

The repair of the urrelars abould be preceded by discrete fresheming of the contused ends of the urchars extensive resection may prevent the suttress from holding in case of extensive destruction of the urthra it is preferable to f llow the old method of repair around a sound and secondary resection of the stricture if one is produced. It is of primary importance to place two suttres at the anterior end to bring this end into conta a with the posterior one so that there may be not "The urchita should have the contact and the stricture of the contact around as large a sound as possible but the skin of the perincal wound should not be true? During cactivization neither lavage exploration nor distations should be performed.

Ten cases are reported, 9 of them the authors examined three to sur months after operation. There was no stricture I llowing the operation in any case. The method should be used therefore in rupture and t animate stricture of the urching on account of the perfection of its results. The exceptions are no too extensive continuous of the urching and rupture of the brightness of the perfection of the perfection of the perfection in six of the perfect of th

GENITAL ORGANS

Moets, R C) ts of the Sp rmstic Co d of Con nective-Tiess Origin (Les lystes de cod Sp.r matique d origine cosjonets) Gen d p 19 4 EXXX 559 By J urnal de Cluruspe

A yould of so had recut ed a severe injury in the fut inguinancemal region is gears pervious. He had been obliged to go to bed for a week, but there was no arefulne gitter in the scrotum or inguin I region. A few months afterward a small exposered at the second of the

painful it was easily moved along the cord which was posterior to it. The orifice of the inguing canal was enlarged and the tumor could easily be inserted into it. The diagnos s was cyst of the left spermatic cord. An operation was performed under novocaine anasthesia. The cost which secured to be covered by the cremaster without any intimate relation with the elements of the cord was easy to enucleate Bassinl's operation was followed by recovery The cyst was smooth and the wall one half cm thick. The contents was clear lemon sellow alkaline in reaction very neh in albumin and contained some red cells and a very few white cells The wall was made up of connective tissue more compact on the internal surface Cells were numerous in this tissue some round, some clongated-and there was a ventable infiltration of small diffuse cells especially abundant on the internal surface of the wall There was no or helial or endothelial covering

pithelisis of endothelial covering

Connective-tissue cysis of the spc maine cord are
extremely rare. Slight nd repeated traumation
and slight inflammation are the usual cause.
Climical chagnosis is very difficult. Histological
examination shows the absence of endothelial or
entitlehal rotuning.

CR **LILANDEZ**

CR **LILANDEZ*

Squier J B Indications for Operation on the Seminal Vesicle. Bot M is S J 9 to cira 908 By Surg Gyace. & Obst

The greater part of Squere art cle consust is a channes no in the later views regarding chrose infections. He refers to the work of Adami and Ronconov and suggests that the pensoccurs either becomes metamorphosed into forms resembling other bacters, or attracts other organisms to area of lowered resistance. The sensual vesicle with an anatomical rangement what is invozable up anatomical rangement what is invozable up and for such a process of all vaciles. Square believes taked drams tall in the majority of cases the infection becomes encapsulated by scar itsus and offers to the blood stream a constant supply of tonus or of bacterns of low rudence.

Through the slow but persistent action of these products upon the synovia of the joints the heart valves and the ladacy op theil um, there de lops arthritis of atrophic or hy pertrophic forms, endocar ditis and nephritis

Squer denotes p s p in and rheumatism as immediate indications for operation on the venzies. In acute a fections with the jumptoms of what is usually called acut protestatus developing during an attack of grounders and the control of the control

age is indicated -it is necessary that other foci be excluded first Somer's experience with rheumatic cases has been limited to the acute and subacute varieties and in every case (number not given) immediate cessation or amelioration of the joint symptoms has resulted GEORGIA G. SMITH

Young, H 11 The Diagnosis and Treatment of Early Malignant Disease of the Prostate
Am J Urel 914 z, 51
By Surg Gynec & Obst

From his complete list of prostatic carcinomata Young has selected twelve that might be considered early reciting the history and crit cally analyzing

each case as to diagnosis and radical cure He divides them into three classes as follows Those in which the only pathological process

present is cancers — six cases 2 Those in which cancer is associated with hypertrophy or benign adenoma - five cuses 3 A case of chronic prostatitis with a small area

of cancer in it In the study of the symptomatology of these early cases and other late cases he concludes that there was nothing diagnostic or even suggest ve there was complete absence of harmatura and hence it is

erroneous to expect bleeding as an early symptom There was nothing in the appearance of these twelve patients to suggest malignant disease they were not emacrated nor were they suffering pa n with the exception of four cases and in these it wa

not severe

In the first series there was roughness in three cases and nodulation in three which are susmicio symptoms Characteristic also was a small bar un accompanied by ma ked lateral intravesical en largement In the second senes, d licate pulpation and particularly palpation upon a cy toscope in the urethra, will often show localized areas of induration or nodulation which is also a suspic ou sign In the third series there was also the characteristic sm ll b r as was noted in the first series There was

no definite invasion of the sem nal ves cles The diagnostic igns found were marked i dura tion (st ny hardness) either localized or diffuse in me pa t so years fage particularly when there was no history of a long standing prostatities and even when the prostate was the sc t of a chronic prostatts a n the third senes. The ab ence of hemit is not pecually a symptom p in while is also absent in early case though gener tily present and almost pathognomonic later on The presence of beings hypertrophy of the lateral a d med um I bes should not lead to rror f the lasticity f the soft ad nomatous masses may often rob the po t mor nodule or layer of carcinam to tissue of it sensation of ind tion to the i nger in the rectum particularly on d p pressure. He says

that t is ally by being continually su meious of

m ked aduration eve I confined to a sm il nodule

th t early d gnos c n be expected and radical

re obtained

Young describes his method of radical cure for cancer of the prostate previously published and as a result of the experience gained in six cases

reaches the following conclusions

1 The operation should not be attempted where the infiltration extends more than a short distance beneath the trigone as determined by the evstoscopic examination with the finger in the rectum and the cystoscope in the urethra nor where the upper portion of both seminal vesicles are involved nor where an extensive intervesicular mass indurated lymphatic glands involvement of the membranous urethra or muscle of the rectum shows that the disease has mamiestly progressed too far The urcteral papillae shoul's be left intact with sufficient tissue below them to insure proper suture and to leave their openings free from constriction 1 or 2 cm above the wound

2 Hæmorrhage should be carefully checked --by hugging the capsule injury of the perpressation

plexus may be largely avoided

3 Silk should never be used and catgut only when occasional statches of salkworm gut are em ployed to hold the tissue together in making the

urethrovesical anastomosis 4 When the operation is performed early it can be done without much danger or great diff culty and

with excellent chance of cure The operation of conservative (partial) perineal prostatectomy in advanced cases of cancer of the prostate has produced wonderfully fine functional results which were in most cases maintained as long

as the patients lived Young discovered this fact codentally as a result of operations performed on supposedly benign prostates which proved to be malignant Up to April 1913 he had 52 cases with 2 deaths During the last two years 16 cases have been perated upon with no deaths

The author feels ju tified in carrying out the

procedure of conservative penneal prostatectomy on almost all cases of cancer of the prostate which are too ad anced for a radical operation and in which the frequency and difficulty of unnation are con siderable and the use of a catheter difficult or painful LOUIS GROSS

MISCELLANEOUS

Bertholet C. Th Effect of Chronic Alcoholism on the Organ of Man Lapecially on th Sexual of the organ to man Lapersony on in Sections Glands (Die w kung d kronachen Alkoholasmus uf die Organs de Mensch nabesond re f di Ges hie historiusen) Studig M m Verl 1931 By Zentralbi f d ges. Gynak. u Geburtah a. d. Grenzgeb

Many clinical and perimental studies has sh an that alcohol has a toxic effect on the organs of the body and on the sexual glands The author tried to ascertain wheth r this injurious effect could be demonstrated microscopically Therefore h made microscopic examinatio s of the testicles of 163 chronic drinkers and of 100 non dunkers lie fou d that the chronic alcoholes died sooper than the abstainers, and that all the organs of the former scemed to degenerate more frequently and to a greater degree than those of the latter. The testicles were the organs most frequently involved 86 per cent of them showing signs of degeneration. This degeneration began very early and led very quickly to complete atrophy of the testicle and to azoospermia. Fatty degenera tion was the first change to set in and it proceeded very rapidly. There was also sclerosis with cells interspersed through the connective tissue and progressive atrophy of the glandular parts of the seminal ducts. Unfortunately he could not get much material for examination of the female glands. but he obtained the ovaries from ten female alcoholics He believes that the effect of alcohol on the female glands is as great and as rapid as on the male. He did not find a single normal ovary in the cases examined

Alimann: External Vasculine Pseudohermaphoditism (Pseudo herm phrodium masculi us er t raus) Zestrelbi I Gyath 914, 12 ui 12 By Zentralbi I. d. ges. Gyath, u. Gebartah, a. d. Greazgeb.

A 22 year-old individual who had grown up as a girl disco cred after puberty that she did not belong to the female sex She had the feelings of a man and her photograph shows a pronounced masculare appearance. The external gentalia howed the pricture of hypoplastic musculin organs with hypo spadias. In a left a ded inguinal herma and in the right inguinal canal there were small round bodies On operation for the herma the co tents was found to be a twisted testicle and seminal cord. Microscopically there was aplasia of the testicle with abundant interst tial cells In a teresting feature in the case was the appearance of a menstrual molimen every four weeks Allmann believes this was caused either by periodic swelling of the testicles in the inguinal canal or by a disturbance in the internal secretion of the genit I glands, which was then projected by sort of autosuggestion into sympt ms in the malf rmed ge tal organs

FRAN COID

Wilker J W T Urinary Antiseptics. Edinb M J 10 4 xu 503 By Surg G mer & Obst

The a ther confirms th now ce pted waw that untrotopine so of all east an internal ant septic only when converted int formaldehyde and that this con erion occurs as a uniple chemical reaction a an acid medium and not by urtue of any particular cell activity on the part of the body. The only possible therape tic ppi cauom of the irrug there is as a unnary antiseption.

Walker makes some cry pract cal and sal ble observations for urotropine therapy. He says at is seldom difficult t render a said urine silkaine, or moderately to I of assum circute and accutate and sodium breathonate are in common use and usually offertive.

This alkaline treatment has been of wide use n

pyehits or cystitis, because of a colon bacilius in which the urine has a pronounced audity. In the pyehits of childhood due to the colon bacillus, it is now the settled practice to apply the alkaline trest

ment. The urine quickly becomes alkaline and when this has been accomplished the symptoms subade - the temperature falls to normal, the drowsiness and mental torpor vanish the pain ceases and the frequent micturition and scalding disappear The improvement observed is attach uted to the inhibition or death of the bacillus coh by the action of the alkalies. But according to Walker the colon bacillus will grow in a unne made many times more alkaline than can be done in the body and there is no marked difference in the rate of growth whether the unne be and or alkalize. This observation is significant and leads Walker to conclude "The action of alkalies in pychia appears to be a neutralization of the acid toxemia produced by the bacilius coli. The cures that are claimed clinically are not cures in the bacteriological sense for the infection remains only the symptoms which were due to the acids or acid endotoxins have duappeared It is true that in some cases, when the urine is finally examined the bacteria have dissppeared but in these cases, which are the exception the de truction may be attributed to the natural rest tance of the nations and not to the allaher.

Walker suggests the following course of treatment of cactite urmany unfection due to the colon baselise First Leep the urma sikaline by a course of alkal er until—ome days after the yungtons ha e disappeared and then omit the sikaline treatment and give a upprouse course of smarry antiseptics (untropine) aradify ing the urms of necessary by increasing dosses of acid wid in phosphate or ammonium

benzuate

The treatment f urnary infections causing as all-aline urne is not so uniple. Urotropase is not con erred and is ineffectual. Therapy therelors, should be directed it want readen it gives that urners and There are in typus of alliable urners and There are in typus of alliable urners and it for the that it is the properties to the there is possible to the properties that which apart from the charge in react on is normal in other respects, the other is posefully alliaine urner with amm marall det apposition i which the respect the other is possible in the historia staphylococcus, it is together with othe abnormal constituents after the ammental blood and pussible constituents after the ammental blood and pussible sodium phosphate begin in the properties of the

believes has no influence in aciditying the time but has a distinct antiseptic influence. As soon as the urine is acid undergoine is substituted Urotropine should never be given with the acidproducing drugs the former is better given after meals when the acidity of the stomach is reduced and the latter some time before the meal.

A popular method in the treatment of cystitis and unpary infections has long been by discretics and forced water. This cannot be wisely used in

conjunction with urotropine therapy as it lowers the audity of the unne so that splitting of the urotropine does not take place. A choice of the two methods powerful diuress and urotropine therapy must therefore be made

The author emphasizes the importance of the systematic use of urnary antiseptics as prophylactic agents against urnary infection in all forms of instrumentation of the urethrs and bladder and genitournary or pelvic operations. Fave Illuvia.

SURGERY OF THE EYE AND EAR

Grenzgeb

PV

Perimann A Etiological Relationsh p between Accident and Detachment of the Relina (Ube den urachlich Zusamme hang on N teh ut ablösung und U ! W Zit hr f Ang k B I

9 4 Exer 4 By Zentralbi i d ges Chir

The author discusses the relationship between accident and detachment of the retina. He describes the discusse in such a way as to make it easily understood by the lasty so far as it is scientifically explained. He attributes detachment of the retina to various causes gene al and local and shows that there is a nextisonation to the strouble

He distinguishes a primary and a secondary form that is a direct one and an indirect one from trauma or other disease. In regard to the latter be points out the marked difference between cases that result from direct injury of the eje by sharp instruments in which the connection with the scendent is not to be doubted and those that follow other accide its agreeding to connection between the scridents of its grieffly no connection between the accidents of the affection of the return as such an accident would have crossed of the chimnest of the return is a normal even of the script of the script of the chimnest of the return is a normal even.

Ile discusses the question of secondary details ment of the retina in tumors and in most cases believes there is no connection with an secretary at a triminary detachment of the retina be pound out that it always occurs as the result of the pathological cond tions of the 1 ternal eye especially autinit disturbances of the vitrous body life comes to the conclusion that accident in never really the cause of primary detachment of the retina but at most furnishes the occasion for it.

The quest on of whether accident of any kind can cause detachment of the ret as n an eye preduposed to it is discussed. He thinks it is relatively casy to answer the question in the affirmative in accidents haract razed by suddenness and violence but beleves that there must be a critical considerat in of the accident in ach case and the r lation in time between it and the detachm at II the is no real accident but only an exaggeration of the nation is usual effort in work he does not believe there can be any causal relation. He bases his opinion on important principles and on expressions of similar opinion by Leber and Schmidt Rimpler The de cisions of insurance companies in such cases are cited Most of the decisions of course are in primary detachment. The lack of clearness and uniformity in the opinions of physicians regarding the nuestion is shown by the decisions of the in surance companies Decisions are quoted which contradict each other The uncertainty is especially shown in cases where there is no real accident but merely overexertion in work. He disagrees with some of the decisions decidedly

Doumenge R Otitis Media and Ot c Septicarmia from Pyocyaniaus (Otites moyennes et septic/maes otiques à pyocyanique) Theret d doct Par 19 4 By Journal de Chrurer

In otology the bacillus procyaneus has generally been considered the cause of spontaneous or postoperative penchandratis and of external croupous otitis. Sometimes however it causes more serious complications as in the case described below

young man of 19 had had a discharge from the right car fr m infancy. This otorrhora became w rse and there was a thrombophlebitis of the lateral sinus I the course of the mastold operation the operator was struck by the appearance of the bone on which the sinus rested After a temporary im provement second operation had to be performed on the third day The greater part of the petrous portion of the temporal was resected an incision of the lower part of the sinus did not cause any flow of blood a d the jugular was ligated From that time the patient improved progressively, and left the hospital at the end of three and one-half months. his convalescence was interrupted twice by pul monary attacks and the sputum collected at this time had the characteristic appearance and odor of procyaneus Hamoculture proved that it was a case of pyocya cus septicamia. Cultivation in

bouillon of blood obtained at the bend of the elbow yielded colonies of typical bacillus pyocyaneus I MANCE.

Harry P A. Traumatic Exfoliative Aeratitia Lancet Lond 79 4 classive 16 9. By Surg Gynec & Obst

Harry a six cases of traumatic exf. liative Levalities followed traumatism of a trivial nature. The symptoms are definite and clearly stated upon awaking and opening the eye a sharp stabbing pain of neuralgic character is experienced the eyeball is red, vision slightly lowered and accompanied with lacrimation and photophobia With or authorit treatment the eye returns to normal in a few days Relapses take place with more or less regularity every four to six weeks with a slightly superficial milky spot at the site of the original injury and in the immediate vicinity the enthelium is loosely attached to Bowman's membrane. The most likely explanation for this comparatively rare condition is the presence of some toxin manufactured beneath the epithelium thereby producing small exfoliations If curetting and cautefizing fail the author recom mends several oblique needle corneal punctures at and around the seat of traums, to allow the sourcous antibody to escape slowly between Bowman s mem brane and the enthelium This, together with the use of weak peroxide and 2 per cent chloretone is sufficient to prevent recurrence FRANCIS LANE.

Gibson C. Bi pharoplasty by a Pregrafted Flap.

A Surg Phila 19 4, hr 958
By Surg Gynec & Obst

By figures the author shows the outlines of his steps for grafting. The operation is divided into two stages as follows:

I In the fir t stage the horizontal incision from the out r canthus of the eye is made a little longer than the part to be grafted. A pouch is made pocket like in effect so that it will contain the cut graft and the edge of the graft overlapping the poch. A protectie edressing is then applied.

In the second stage the growth from the lower cy lid is removed by a quadrangular incision impinging on the Lin from which the pregrafted flep is made. This horizontal incision, which is parallel to the first origin I incision frees the flap allo ing

it to be alt over into the gap

The auth compares the adva t ges of the operation for th removal f majignant growths from hid borders to those resulting from treatment a the lart years, and the creat of the strength of the years, and the second for strength or the years are the years and years.

Baird, R. Cataract in th Capsule with \otes on Eleven Hundred Thirty-Seven Consecutive Operations. India II Gas 9 4 xls 5 By Surg Gyace. & Obst.

Based sums up the d antages as well as the dangers and difficulties of the Sm th operation. His record of cases gives a clear idea of the satisfactory results obtained in this series. L. B. Lowler

Newman E. A R: Irregation after Cataract India II Gar 19 4 plar, 218 By Surg Gyner, & Olse.

Assuman describes the method of irrigation of the anterior chamber. He uses a closed end irrigator with a slit in the side, the nozile being placed just inside the outer angle of the wound which normal saline solution is run through t. Of 91 cases only 3 required needing. I. B Fowies.

Holland H T : A Thousand Cataracts Performed in Six Weeks at Shikarpur Indian H Gar 014 xlix, 3 By Surg Gynec. & Obst.

Of the roast extractions are which deep observations are based Boo verre on the chief of the Smith a method. The author resorts to capsulor omy in cases an which the least will not person except with greater pressure than he deems safe and in cases of erry high tension believing choroidal hemorrhage less apit to occur. If compares the capsulate the operation of chooo. If B Fourza.

O Connor R. P. Further Experience with the Writer & Welhod of Shortening Ocular Muscles without Employing Sutures under Tenaon Arck Ophils 9 4, lus, 368 By Surg Gynec. & Obst.

In the shortening of ocular muscles without em ploying sutures under tension O Connor has devised a method of advancement calculated t obviate the customary overcorrection necessary to offset the subseq ent shipping which invariably occurs the first few days after the customary opera t one He declares the great defect of most opera tions is that the sutures are so placed that they are necessarily under the elastic pull f the muscle thus violating an important principle of surgery with regard to suturing The principle of surgery with regard to suturing The principal step con sists in separat ng strips of the leadon r or min broad f il le gth at both margons bout whi h catgut strands re so placed that when made taut the strips are folded into a double loop and thereby shortened These shortened strips bear the bru t of any muscular traction and serve to splint the sutures which hold in place the broad central section of the tendon which has been brought forward after the manner of other methods, while firm union is taking place Fi cases operated on after this fashion re ulted in all that was expected or eve desited ina Las

RAR

Lothrop, H A. Frontal Sinus Suppuration.

Ann Surg Phil 9 4, lx, 937

By burg Gyner. & Obst.

To obt in satisfactory drainage f the frontal sinus t is necessary t bea in mind that the ostium

is surrounded by thin bone and while the area posterior and internal is small and too dangerous for interference the area anterior and external is comparatively thick and dense and may be removed with comparative safety. The variable relations may be determined by a ray examination in two

planes, The technique of operation is as follows incision is made from the center of the unshaven eyebrow inward and downward the sinus is entered just above the base of the nasal process and a probe bent so it will stay in place is passed through the ostium and out through the anterior nares ostium is enlarged by passing small curettes from above down in front and external to the probe at the ostrum. With the probe as a guide burr drills are introduced through the narcs and the opening enlarged with precision and safety. A large portion of the interfrontal septum is remo ed e un though the other sinus be healthy as the proximity of healthy mucous membrane favors early epidermiza tion. The external wound is then washed with a sterile solution and the skin incision is closed ELLEY | LATTERSON

Wood J W The Use of the Nasophary ngoscope in Otorhinology P 11 cr 9 4 zm 760

B Surg Gynec & Obst

Besides the value of the nasopharyng scope in saming the nasopharynx and eustachasin tubes as well as the posterior choanse ind the tructures contained therein the author dwells on some of the more accurate methods of therapy made under direct inspection because of the aid derived from this instrument.

For instance in tubal therapy with the naso pharyngoscope passed through the opposite nostril the tubal instruments are kept within the operator's gaze and directed where they should go

Again in referring to the rebet of hemicranias and facial neuralgas of nassl origin by alcohol i jections of the sphenopalatine ganglion as discovered by Sluder the author peaks of the injection without the aid of the maophary ngoscope as a shot in the darf. but with the al of this natrument the region is easily inspected and the injections made more accurately

The alue of the nasophary ngoscope in exploring the sphenoidal sinuses and maxillary sinuses is also mentioned Orro V. Rorr

Welty C F Indication for the Labyrinth Operation with Report of Eight Operations and Six Cases in which no Operation was Performed ins Otol Rh not be Lary got 94 xxxx, 66 B Surg Gynec & Obst,

The auth reports se ral cases operated upon for chrome suppur t otitis media which later developed labyri thme affections or cereb al symptoms some of which were ope ated upon ind some of which recovered without operatio

However the uthor this that in cases of sup-

purature ottits media infection by way of the laby main is a frequent cause of infection of the memages and he considers the labyrinth operation indicated in those cases which have only remnants of hearing on the one side and no caloric reaction or size sizes. It is sho opinion that in the near future it will be considered conservative surgery in these cases to open and explore

Sharp J C. When the Radicul Masto d is Imperative. A s Otol Rk not & Lary got 19 4

xxxxx, 74

By Surg Gynec. & Obst

The indications for radical masted operation are cholesteatoms carries or necrosis of the petrosa during the course of a chronic middle ear suppuration intracranial complications or labyrinthine symptoms occurring during chronic suppurative outsis media or an acute exacerbation of a chronic tympanic suppuration with masted involvement ELIES J PATERSON

Dighton A. The Blood Clot Method as Applied to the Mastoid Operation P acts ner, 19 4, 201 755 By Surg Gynec & Ob t

In this the first article on this topic appearing in any British journal the blood-clot method as applied to mastoid surgery is enthusastically endorsed. The author explains the beneficial action of the blood-clot method as depending upon known physiological phenomens, the presence in the blood of two substances.

r The amboceptor or immune body which is produced in the blood by the presence in the body of a particular bacteria

2 The complement or alexin, which occurs naturally in the blood-serium but by itself has no action upon the bacteria. When however the amboceptor acts upon the bacteria these become vulnerable to the complement which dissolves them.

The author applies that process as occurring in the mastoid cavity in the following words. After the mastoid cavity in the following words. After the operation the majority of the bacteria are killed by the antiseptic used. Then the cavity is filled with blood clot. The blood contains amboreptors to the bacterian present and is brought to the part in comparation of the process o

The author males no attempt to preserve per octume or to make a percentical lap After the operation is performed the cavity is dried with swahp named with put activates and, and immediately dried out again. The lan edges are rubbed with gause to promote bleeding and the wound closed with sulknorm gut enture—usually three The extremal authory can be packed with a plug of the contraction of the covered with gause wring out in acctione colloidon and allowed to dry.

The advantages of the blood-clot method are I Less disfigurement as the clot forms an excellent scaffolding for the formation of new bone.

2 No painful after-treatment

Healing is markedly hastened The method is not applicable to cases in which the sinus, the dura r the facial nerve is exposed

Orro M Rosr

Dench E. B.: The Treatment of Accidental Wounds of the Dura during Operation upon the Mastoid Process. Larragon be 9 4 xdi 504 By Surg Gynec & Obst

Wounds of the dura in the middle cranial foesa whether accidental or due to necross are not necessarily followed by severe sequelze provided the operator is careful to preserve perfect asepsis

during the e tire operation

The author's technique is to expose a large area of dura and, after every trace of disease has been cleared from the tymnamic cavity, the durat opening is enlarged by two crossed incisions. This opening is firmly racked with iodoform gauge to cause sufficient pressure t secure an amalgamate n of the cerebral membranes about the wounded area and thus avoid meningeal infection

ELLEN J PATTERSON

Hall, G C. Surgical Judgment in Operations for Acute Mustouditis. Ky M J 914 xu, 368
By Surg Gy ec & Obst

There are no symptoms which point unmistalably to mastoidit a but any combination of three or four of the cardin! vinntoms if continued for twenty four or thirty six hours should convince one of such a condition although there are undoubted cases of mastuditis with practically all of the classic symptoms absent

Ill cases of middle car infiammation should be watched from neipiency for the advent of signs of mastoid involvement in which case operation should be done at the earliest possible moment

The author emphasizes two points in his technique (1) the importance of wide opening of the drum membrane and (a) the excavation forward from the antrum of the ygomatic cells and in the direction of the addtus of antrum

In the discussion which followed the general consensus of opinion was that early operation with

thorough evacuation of all the diseased struct res

made for the safety of the patient PATTERSO

Braun A. and Friesner I: The Discussis of Endocranial Complications of Suppurati e Laberinth tis. 1 Oul Rh of & Lary gel Labyrinth tis. 1 By Surg Cynec & Obst 10 4 333 0

Intracramal complications are relatively more comm n with acute laby mathitis, because there is no time for the inflammat ry process in the laby rinth to be walled off but on account of the over whelm ng pred minance of chronic overse te mot urat e laby unthitis, intracramal complications are more frequently obs rved in association with th

chronic f rm

Where the labyrinth or functions have been impaired but not entirely destroyed it is difficult to differentiate between laby anthine disease alone and labyrinthine disease complicated by disease in the posterior fossa, and other symptoms for diagnosis must be depended upon. Where the laby minime functions has a been totally destroyed, the existing

symptoms can be easily ascrabed to the complicating ntracramal lesion.

Intract mal complications of suppurative laby rinthitis usually occur in the posterior fossa rarely in the middle fossa. The sympt ms common to all forms of a flammatory processes in the posterior fossa are headache comiting and vert go

LUE JI HERSON

SURGERY OF THE NOSE, THROAT, AND MOUTH

NOSE

Thomson St C. Some of the Symptoms and Complications of Sinusuts. P at the cr 19 4. By Surg Cynec & Obst The author groups the symptoms of a nustis

The author groups the symptoms of s nusitis under four chief headi gs as follows

Symptoms in neighboring region Symptoms in more distant organ

3 Symptoms of interference with the general health

4 Intracranial complications
Under the first group symptoms in neighboring

Under the first group 53 mptoms in neighboring regions the following arrangement 1 observed a Nasal symptoms uch as obstruction and discharge

b Symptoms in nasopharynx and phaynx —

postpasal catarrh and pharyngitis

- c Ocular symptoms—orbital cellulut persositis of orbit retro-ocular phlegmon blephantus phbj ctemular keratit s diminution of field of vivon asthenopi scotomata photophobus didatation of the puipi blepharospasm pto s intia, catract hemorrhag c retiniti glaucoma and optic neuritis d Aural symptoms—ti nitus vertigo erasche
 - d Aural symptoms it mitus vertigo etrache
 usta hi n catarrh and purulent of tis media
 Toothache

f Cranial ympt ms — headache faceache hemicr n an i neur Igia

g Cutaneou sfections of the face — eczema of no trib and pper lp erythema urdema fugax, ab cesses of f ce and attacks of facial erysipelas

Unde the second group symptoms in the more

a Larynx nd resp tory tract - purulent or

scabby laryngitis and bronchorrhoza

b D gest tract — gastric disturbances ob
tinate miti g r diarrhoza bad taste

c Vasc lar vstem — anæmia phleb t brad cardia

Unic the third group symptoms of interference with the general health are mentioned Loss of weight feverish attacks simulating

t phoid mularia pieruic metastases insoma b Reflex o gh winte catarrh and such cerebral co diti in as irritab lity loss f memory languo weanness tupo prosexia neurasthema, melancholia d we kened sistance to the action

of sleehol and tobacco
Und r the fou th group intracranial complica-

t one are f n l

Men ngitts - mo e frequently from pus in the

b Cerebral abscess — usually from f ontal sinus

uppuration

c Thrombo is of cavernou inus and basal meningiti — usually from sph noid trouble Orro M. Rott

Lynch R C. Vacuum Disease of the Maxillary Sinus. A s Otol Rk sol & Lary gol 9 4 xmi 59 By Surg Cynec & Obst

The author reports the history of six cases of vacuum disease of the maxillary stitus in which the symptoms were promptly reheved by puncture of

the naso-antral wall
Cases exhibiting symptoms of constant unilateral
pain in the eye in the region of the naso antral wall
or pain localized in all of the teeth and unrelieved
by assil applications nasal reflex neuroses change
in the quality of the voice inability to probe the

cavity together with negative nasal 1 ndings negative transillum nation and negativ Y ray should lead to the suspice on of a negative pressure condition Elley J PA RSON

Cohen L. Corrective Rhinoplasty Lary g cope of a ruy 565 By Surg Gyner & Obst The author thinks the satisfactory o metic

effects in these operations depend upon the free mobilization of the entire bony and cartiligmous framework the proper placing of the nose n the middle in of the face and its retention there with some suitable apparatus

He operates under strictly acptic condutions using ether of local anexthesa and after making an unuson within the vestibule of the nose works subcutaneously to remove any redundant bone and cart lage or to mobilize the bony or cartilaginous framework after which a coppe saddle is adapted and adjusted to hold the parts in proper position. The citibule is packet loosely wit holdoform gauze

LILEY J PATTE SO

THROAT

Carmody T E. Histopathology f the Faucial Tonali Lary g scope 9 4, xxx 576. By Surg Cyne. & Obst

The lymphoid structures of the upper respiratory tract all have their periods of act vity which are not coincident but successive or slightly overlapping and while the pharyngial is retrogressing and probably the fauxial also the Inguial and laryngial are reaching the height of activity and beginning development respectively.

The faucial tonsil resembles the lymph gland more closely than any of the other lymphoid issues in shape and structure having a caps le although not complete fibrou tr beculæ adenoid est and a rich supply of lymph vessels which drain into the

superior deep cervical chain of glands
A study of the tonsils removed showed destruction
of epithelium on the surface and in the crypts the older the patient the less adenoid tissue and the more connective tissue and the greater the number of attacks of tonsilitis or abscesses the greater the amount of connective tissue. Erzey I Parrensoy

Thomson St G. Intrinsic Cancer of the Larynz Complete Excision Apparently Effected by Endolaryngeal Operation. Tr Am Lary gol. Ass Atlantic City 9 4, M y

By Surg Cynec. & Obst.

The conclusions of the writer are

I Cancer of the vocal cords in the early stages is strictly limited and very slowly progressive 2 Diagnosis is based chiefly on inspection of the larvnx Where the growth is superficial and not

infiltrating it can be confirmed by microscopic examination 3 The growth may be completely removed endolaryngeally even when it occupies the entire length of a ocal cord.

4 Laryngofissure is the operation of choice in all cases of endolaryngeal cancer It is not a danger ous operation and offers the best prospects because the disease remains superficial and limited for a time and finally there is a lasting cure in 80 per cent of the cases The value of indirect larvagoscopy is strongly insisted upon as being far gentler than the direct method

RICHARDSON of Washington spoke of one case which he had five or mx years ago in which there had been no recurrence while most of his other cases suffered recurrences Only one had a recur

rence su silu.

Sours-Cohen of Philadelphia, has done a number of these operations and has never seen a recurrence His method is to make an a cision through the perichondrium all around the growth and then with blunt elevator the parts are lifted up. With a curved serrated sessors the whole mass is taken up penchondrium mucous membrane and the growth but the growth itself is not touched at all with any instrument

MAYER of New York spoke of the method of producing anæsthesia by injecting either into the Orro M. Rott intestine

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SURGICAL TECHNIQUE

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tion B m 0 3

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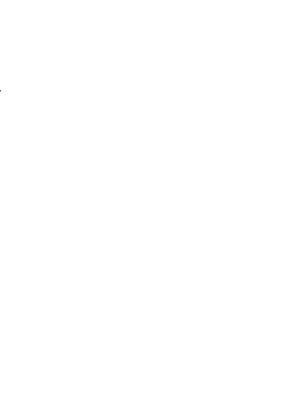


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DECEMBER 1014

COLLECTIVE REVIEW

THE VRAV INVESTIGATION OF THE COLON

A REVIEW OF SOME RECENT LITERATURE

Bt JAMES T CASE M D BATTLE CREEK MICHTON
Rootgroologud and Assessant Surgeon, Buttle Creek (Vickage) Sunstanuas, Rootgroologud & Lake Hoogalal, Chrisgo Professor of
Refrenciony, Voltwinder University Holesal School Charges

NOR more than a decade the rontgen examination of the exosphagus and stomach has been extensively carried out in all the large clinics of Europe and during the last half of this period in the large American clinics. Plaller was probably the first in this country to undertake extensive bismuth studies. The in vestigation of the colon by means of the V ray is somewhat more recent however and only within the last two or three years has it been carried out with anything like the precision now attending the rontigen examination of the stomach.

The earlier studies of both the stomach and bowel were begun at a time when the question of ptosis of the abdominal viscera was recenting special attention. Hence the earlier gastrointestinal \times ray studies were carried on with special reference to form and position a circumstance which undoubtedly led the medical profession to attach undee importance to the form

and position of the colon

With increasing experience the morphological factors have shrunk in importance while the problems relating to the functional behavior of the alimentary tract have assumed greater significance Of all the arrows facts which can be learned about the stomach or bow elby morigen examination. The question of ptoss, at least in order that the problems of the problems of the problems of and the one or in the least consideration. In other words ptoss is looked upon as a symptom rather than a causative factor although it is con-

ceded that in certain cases the piosis, although at first a symptom may later become part of a vi cious circle and thus assume importance as a causative factor The technique of the \ ray examination of the colon has been so far perfected that, with an accuracy that is almost uncanny it is now possible to locate the adhesions and mem branous attachments, most of which bear the name of some special surgical investigator and yet even here the \ ray examination serves a much more valuable purpose in ascertaining the degree of interference with bowel function than in merely locating the position of adhesive bands as Skinner (r) has stated the stomach and colon are not chemical retorts, but functioning motile organs, and the position of the gastro-intestinal tube does not so much concern us, as its func tions do

Physiology of the solus (2) The introduction of the rostige method especially the work of Canion which was carried out largely on am mals, has thrown much light on the perustal is of the colon. The writer s observations in man have almost to the munutest detail confirmed the work of Canion on animals especially in regard to antiperistaliss. Canion showed that the prevailing movement in the provinal colon was until the prevailing movement in the provinal colon was not such ward toward tow

58x

tinuing for four or five minutes. The distal colon has as its characteristic activity an onward move ment several kind having been described. Haustral churning is occurring constantly in the distal colon serving to keep the material in this region thoroughly mired with the digestive fluids This haustral churning, or segmentation is analogous to the segmentation which occurs in the small intestine Other movements of the bowel are the large pendulum movements of Rieder (1) consi ting of a considerable dislocation turning and winding of those portions of the colon which have a long mesocolon all of which occurs without any actual tran portation of the contents of the bowel There snakelike di locatory movements occur in everybody in various degrees and with varying frequency

It is probable that the principal propulsive movement in the colon wiring to move the bowel content from the provinci colon into an i through the distal colon is the mass movement first described by Holzknecht (4) This is a most striking phenomenon and when once seen can never be lorgotten The bonel contents suddenly lose their haustral markings and are formed into an ovoid causage-shaped mass with perfectly smooth edges, and rounded at the ends This mass travels at about twice the rate of peristaltic nates in the tomach the distance traveled varying with the circum tance is the mass comes to rest, the haustral indentations reappear quickly if the bowel content be semifluid more slowly if the bowel content is of firmer con sistence. It is estimated that these mass morements occur about iz times daily studies on this mass movement have been reported by Barclay Hertz, and Jordan and by the writer Before the introduction of the horizontal fluoruscope these large colon movements were rarely observed Holzknecht (4) in 1909, re ported two cases I sechl an I lorges (5) in total two cases Barclay (6) in 2012 two cases Schwarz (2) in 1913 two cases and the writer (7) in 1013 reported thirts seven cases in which this mass movement had been observed recent times, however e pecially since the horizontal fluoroscope has come to be more exten sively employed this type of onward peristalsis has come to be recognized a being very common Hertz and Barclay have both informed the writer that they now see the form of pen tals frequently

The filing of the stomach and the movements of the colon by respiration are important factors in the shifting of the contents of the colon. The anter a statement (7) that the cont at of the

colon can be hilited very little, if any by palastion is confirmed by the observations of Schall (a) who declares that even with string pressure its not possible to lift the content of the ascending colon into the tran verse. The same hold true of the distal portion of the colon. In a fact cases only was Groveld (8) able to affect a nonement of the contents of the colon for short detances with a vibration in full action. The well recognized fact only in the colon for short detances with a vibration must therefore be produced in the content of the colon for short detances with a vibration must therefore be produced indirectly by increasing the tone of the bowd inuscle rather than by any actual mechanical pressure of the bowd centerly onward.

arrous authorities have constructed tables showing the rate of passage of the barrom meal through the alimentary tract. Summarizing these observations, we may conclude that fol lowing a meal in which barrum sulphate constitutes the opaque substance the tomach should be empty within four and one-half bours the head of the barrum column having reached the circum at that time. The entire harrier meal should have passed into the colon by the eighth hour or at most the tenth hour at which observation the head of the harium column should have reached the middle of the transverse colon. The head of the barrum column should reach the descending colon from nine to sixteen hours following the ingestion of the meal and the colon should be practically empty of barrum at the thirty sixth hour to purgatives should be given on the day immediately preceding the examination barrum meal should be sub tituted for one of the ordinary in als so that the rhythm of meals will

not be disturbed Tree contrast material may be introduced into the colon either in connection with a meal or by nema. The writer recommends study of the colon following the meal is being more likely to gue accurate information concerning the function of the bound, reserving the injection of the bounder means for those accurate information contrained to the bounder of the parties of the colon of the injection of the bounder of the contrained and the colon may be carried to the function of the ilectoric value for the colon may be carried out at the unit to easy be carried out at the unit to easy set, the colon of the colon

Others price the carried release at the action of of Hearnsch (a) The Haensch enema consists of water one liter bolus alba 300 grams bestutch carbonate 75 grams, and water sufficient to make one liter

The writer's formula (10) is as follows To 21/2 dr of gum tragacanth add about 1 oz of alcohol. Shake well Add oo oz, of warm water and shake, Add 3 oz, of barnum sulphate then 20 oz of water shaking well each time. This mix ture should be made up fresh shortly before using

Holzknecht and Singer (11) give the following formulæ (a) Barrum sulphate clysma To one liter of boiling water a suspension of two soupspoonfuls of finest potato starch in three-fourths of a liter of cold water is added and after being boiled again 160 grams of barrum sulphate and one-quarter liter of hot water 1 stirred with it. The mixture is then boiled for five minutes and cooled off to 112° I This mixture can be preserved in the icebox several days (b) The bismuth clysma To one liter of boiling water a suspen sion of two tablespoonfuls of finest potato starch in a quarter of a liter of cold water is added. This is boiled again for five minutes and 120 grams of bismuth carbonate stirred in three fourths of a liter of cold water is added to it without boiling again

Jaugess and Friedel (12) recommend a paste especially for the in estigation of the rectum and agmost. The paste consists of a mature of vascine and oil me qual parts to such baruum sulphate or bismuth carbonate is carefully in corporated in equal parts. This preparation can be unjected with a synage. The quantity of the injection varies with the importance of the segment to be explored. Value for sulptimes to the support of the true usually suffices to

reach the splenic flexure

The technique prescribed by Haenisch for the injection of the colon under fluoroscopic control has not been materially improved by any of the more recent writers Before the injection it is important that the bowel shall have been cleared out very thoroughly by means of appropriate lavatives or by thorough enemas or both The patient lying supine upon the trochoscope the barrum su pension is placed in a container two or three feet above the patient, and is allowed to flow by means of gravity through an ordinary enema tube and rectal point into the bowel colon tube is quite unnecessary a rectal point passed two or three inches into the bowel being sufficient The temperature of the clysma should be 100 F The progress of the clysma should be watched inch by inch as it ascends the colon A pause in its progress may be caused by a kink in the rubber tubing or a clogging in the tube. At opportune moments during the inflow of the clysma manipulation under the screen may elucidate special points. Haenisch advises, after the examination that the container from which the injection has been made be lowered and the enema allowed to return by gravity The emptying of the colon is also watched under the fluorescent screen and additional information may thus be obtained as to the exact site of an obstruction

In discussing the advantage of this direct rontgenoscopic observation of the opaque clysma over the observation after an opaque meal, or the observation of the enema after it has been upjected Haemisch (13) insists that it is just the observation of the filling of the colon in all its stages which permits one to recognize abnormal conditions of intestinal caliber with the greatest accuracy

Stereorontgenography of the alimentary tract has been extensively utilized by many workers. This method has especial value in the study of the

colon particularly the pelvic colon

Colonic adhesions Pers (14) of Copenhagen claims to be the first to describe a technique for the detection of colonic adhesions. It is certain however that many others have already used the method which he describes It was employed by Pfahler at least two years before Pers publica tion Pers called attention to the fact that the most common causes of adhesions of the colon are (1) ulcerous disease of the colon (2) inflamma tory disease of the colon or other organs of the abdomen (3) trauma of the pentoneum from operations (4) the adhesions due to modern fixation operations Although in some cases the adhesions cause no symptoms they often an nounce themselves by pain and obstruction Patients with colonic adhesions are much to be pitied because the adhesions are often not recog nized While the history may point out the probable diagnosis, there is much uncertainty and we now know especially through the work of Eastman Hertzler Jackson and others that extensive bowel adhesions may occur as the result of chronic intestinal stasis, without any history of a definite inflammatory process

With rontgenography and especially ontgen comp we are now able to determine whether the bowel is adherent to its surroundings the site of the possible adhesions, and it operation for relief of adhesions is done to ascertain how far the operation is able to restore the motitity of the intestine. The most common site of periodonic adhesions is a will be retreated later in the line and pelvic colon especially about the line pelvic junction.

It is important to emphasize here the necessity for proper protection during screen examination Both Pfahler (15) and the writer (16) have published warming against the cond-

published warnings against the careless use of the ray in fluoroscopic work. The tube holders must be very carefully protected with lead or an equivalent thickness of other X my protective material. The time of exposure of the patient during fluoroscopic examinations is likely to be unusually prolonged beyond the danger brust hence the greatest care should be everised to avoid over mying of the patient. As Santone has recently remarked few rontgenologists know how to use the foot-switch, minimizing that con timuous illumination of the screen is usually unnecessary although often practiced.

One of the most important advantages of the fluoroscopic method in the study of the colon is the possibility of guided palpation under the fluorescent screen This may be accomplished by the protected hand or preferably with some palpatorium not opaque to the \ ray Among the chief purposes of this palpation under the fluorescent screen are the determination of mobility the relation of various shadows and the identification of points of pain on pressure in relation to the bismuth shadows. Whether or not loops of bowel can be easily separated the mobility of the cacum the appendix the transverse colon the pylorus, and the descending colon are all points which may be studied by the aid of the palpatorium almost as well as by manual palpation. Only those who have experienced the satisfaction of palpating the bismuth filled stomach and bowel under the fluoroscopic screen can fully appreciate visualized abdominal palpa tion under fluoroscopic guidance but unless the greatest caution is observed to insure adequate protection in rontgenoscopic work great suffering and even loss of life may result from the wa e of enthusiasm for fluoroscopic work which is now sweeping over this country

Constipation The rontgen study of constipa tion and its causes has led to a number of classi fications The classification of constipation by Schwarz (s) considers the hypokinetic and diskingtic forms. In the former there is a lack of muscular tone and motor stimuli in the latter there is excessive morbity and antipenstalsis to a marked degree. The writer finds that it is in these cases that deocracal valve incompetency occurs most frequently the pastic constipation and increased antiperistalsis resulting in over distention of the execum which is directly the cause of the deocolic valve incompetency marked spasticity of the bonel in these cases causes the intestinal content to be seen as small isolated masses Hertz has added the term dyschezia for those cases where the colon is found to be normally active the food passing through it and reaching the rectum in the normal time the delay being due to an abnormally distended

ampulia with blunting of the defectory refer There may also be cases of congenital dyschema dependent upon some defect in the muscle sense of the rectum

It seems to the writer that some of the case of so-called dyschezia are really due to adhesons of the pelvic colone especially adhesons motive pelvic colone especially adhesons intolving the pelvic colone separately adhesons intolving defeation. In the writer so punion the calculation defeation in the writer so punion the cause of constipation is to be found, in the majority of cases, in the colon below the crist of the left shum that is in the pelvic colon and rectum, the marked spaciety of this portion of the boad being found almost invariably associated with addresions.

Identified tumor: The rontgen diagnoss of intra-abdoranal tumors by recognition of the resulting dialocation of the colon was first described by Stlerin (17). Since then a number of others have subset that method of diagnoss. The abdominal organs are not nell adopted for direct rontgen reproduction. The same is true of intra abdominal neoplasms, tumors, and abscesses based from the liver the epicen and the larger subhepatic and subphrence abscesses, the abdominal viscers are not easily visualized. The intestimes may be filled with my absorbing substances or with gas. Certain hollow organs, as the bladder and kidneys, have been filled with collarged.

Certain groups of intra-abdominal neoplasms may be studied however by their dislocation of the colon This method is useful only for those tumors which are in the immediate neighborhood of the colon particularly tumors of the kidney pancreas, psoas abscesses, and retropentoneal sarcomata Tumors of the Lidney tend to dislocate the colon toward the midline Tumors of the spicen usually occur in front of the colon without displacing it Tumors of the pancreas and retroperstoneal surcomata usually dislocate the transverse colon downward that abscesses are shown by typical median dislocation of the curcum and ascending colon. In large uterme tumors, the pelvic colon is compressed while the cocum and ascending and par ticularly the transverse colon are lifted unward In orange cysts the dislocation of the pelvic colon is not characteristic Morse (18) records an instance of a sarcoma of the left kidney which could be located by the appearance of a mass between the spinal column and the colon tilled with bismuth.

Hescaral tubercules In 1912 Stierlin (19) reported that he had found in the rontgen exam nation a new diagnostic method for the recogni tion of even the early stages of ileocæcal tuber culo is. Schwarz (2) has recently voiced his unqualified approval of Stierlin s sign mally it never happens that the ileum and also the transverse colon contain bismuth while the carrum and ascending colon are empty vacancy in the shadow is not especially caused by the anatomical process but by a hyperaesthesia of the excited mucosa, so that the colon does not permit the accumulation of the fæces, but frees itself promptly from it by visible contractions Chronic ulcerative tuberculous may occur in various portions of the colon but it is usually combined with more or less severe strictures The-e strictures may be ring-shaped or may affect larger portions of the bowel which have the shape of a tube. The lung is usually involved in these

Coltus Catarrhal inflammation of the colon may be profitably studied by means of the \ \text{ray} not \cdot on much to demonstrate the prevence of the coluts as to show the portion of the bowel in wheel of the column of the prevence of the column of the

Kienbock (20) cites Stierlin s statement that in ulcerative colitis the diseased portion of the bowel is also as a free from large quantities of barrom and shows only a few long thin lines the border lines of the intestine are parallel without the haustral markings and they enclose between them a very clear area which has an increased gas content Schwarz and Novascinski report similar finding All of these authors regard the condition as hypermethesia of the quickly emptying colon with a small residue remaining upon the ulcera tion of the intestinal wall in long drawn out lines kjenbock report in letail three cases of ulcerative colitis - two with tuberculous and one with dysentery In his conclusions he mention the frequency of

insufficiency of the ileocæcal al e in these cases. The has already but referred to by the writer. In cases of mucous colit: one may occasionally actually show strings of mucou in the bowel thanks to the opaque saft which seems to find

lodging in the twisted mucous shreds

Appendix Among the earliest studies are
those of Holzknecht Fittig and Weislog and

Jordan (x1) A paper by the writer (22) in 1921 was the first American contribution to the rontgenology of the apprendu. Since then there have been studies by George (23) Quamby (24) and Imbodem (25) and by Rieder (26) Schwarz (27) Greedel (28) Cohn and Grigoriell (28) and others in Europe. The general conclusion is that the normal appendix may fill with harum following the ingestion of a barum meal and occasionally following the injection of a barum clyam. Provided the appendix fills, one may determine the presence or absence of subsection of Links, or in roll-cement of neighboring viscera, and the relation between points of pain on preserve and the relation between points of pain on preserve and the propendical shadow may be judged.

sure and the appendix allow my to lunger of the question of drainage seems to be most important. If the appendix fills and empires itself it is not falsel, that the filling has any pathological significance. On the other hand a poorly drained appendix possesses a potency for danger in proportion to the length of time it requires for emptying. Neither the acutely in diamed appendix nor the obliterated appendix can be shown following the harium meal. However, the conclusion is not warranted that the appendix is obtherated because it does not show in the rontgenogram. The appendix may lie retrocared in such a mainter as to escape discovery, even under the most careful fluoroscopic manipulation.

Dietien (30) has described insufficiency of the decoract valve as an important symptom of chronic pentyphitis. This view is shared by a number of other European investigators. It seems, however that chronic pentyphitis is only one of the conditions with which decoract valve.

incompetency is associated

Heocite to their insufficiency In 1807 Max

Hertz of Vienna while performing abdominal
massage on a patient for cide like pains in the
ifeocited region observed peculiar symptoms
which he could not evilain otherwise than by the
supposition that the contents of the caccum might
be pressed backmand "After further studies in
patients as well as anatomical examinations he
described a symptom complet of insufficiency of
the itoexecal valve which could chinically be found
only in such patients as had disturbances pointing
to the bowel such as constipation abdominal
nams, and sonetimes diarrhor.

Schwarz (2) makes the statement that these findings remained unnoticed or unbelieved ungested consistence of the first first demonstrated routgenograms showing the retrograde filling of the ileum after the barunu clysma In fact the water first called attention to this routgen finding in roop-

1910. Hænisch Holzknecht and Singer and Groedel soon confirmed these findings Further articles have appeared on the subject by Dietlen (30) Rieder (3) Kellogg (31) Latisch (32) and

the water (33)

Insufficency of the shoened value is best demonstrated by the retrograde filling of the terminal secure by the presence of the barmon enema following the evacuation of the barmon enema by spondaneous defeasion. Examination of the competency of the slocency value by means of the barmon meal is unsatisfactory of shough the writer has reported a series of more then sufficient the care may be sufficient to the sufficient properties of the series of the sufficient properties a series of more then sufficient because make into the slow.

The chief result of the mecompetency as a prolongation of the emptying time of the ideum following the baruum meal although occasional exsewill be found in which iteal stass is due to stenosis of the valte or to kinks of the terminal ideum Nevertheless to the great majority of case, in the opinion of Greedel (43). Achlogg Schwarz, Jordan (15) the writer (33) and others, the increased stass in the ideum is one of the direct

results of ileocacal valve incompetency

In establishing the presence of insufficiency of the ileocateal valve. Schwarz (2) uses imposcony taking care that only one liter of fluid is used and that the irrigator is introduced only moder ately high Senn shows that even a normal valve may become insufficient by overdistention of the valve and that any massaging maneuvers in the sleocrecal region are to be avoided. In order to make certain that the test will be absolute the writer has on the contrary advised massaging maneuvers over the ascending colon in the antiperistaltic direction and the introduction of a sufficient quantity of the enema to make certain that the carrum has been distended. Otherwise occasionally an incompetency of the ileocecal value will be overlooked during the rontgen examination and be revealed later at operation

The writer (32) hold that the insufficiency of the isloncacial value a symptom dependent upon obstruction lower in the bowel and is not a disease m itself kellong (31) Schuart (3) Groedel (4) Dietlen (30) and others are of the same opinion. The true cause of insufficiency of the islencecal at e is the abnormal lack of tone of the structures which make up the value chronic overdistention of the right half of the colon particularly the execution as the result of which the loosening of the connective tissue is quite natural. This distention of the right half of the colon is usually the result of chronic obstruction of the colon due uther to adhesions of the peivic colon or to set are colits with spatial; both of which conditions lead to increased antiperistaliss and distention of the cerum. Thee conditions lead to stass and chronic changes in the appendix. This observation led some European observers particularly Groedel and Diellen to believe that there was a direct ron acction between insufficiency of the ileocard value and chronic perivolation.

The uriter (7) found insufficiency of the placercial value in one-auth of liften hundred cases of constipation. Dietlen (30) found it entry to cases out of one hundred. Singer and Holkahacht, (17) found three out of fifteen. It seems that the percentage of cases of con type presenting illocoxical value incompetency to the presenting illocoxical value incompetency.

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It is hoped that others will take up the tudy of this question especially in children to etile some of the questions which are not yet conceded

by the surgeons

Mable statue carson This condition fit described by Wins has been the subject of condentable study and no httle control erry. When several years ago gas up his operation for my the mobile circum. There is not sufficient space there to review all of the historium of his phase of the subject. Suffice it to say that suich less amportance is nos being attached to the mobile atomic accum the general consensus of quicknot being that it is the intest adherent bowler that the mobile bond which is the seat of stasses and the source of symptosis.

Istramal positions i like colon Congential failure of the colon to rotate has been ruport do from the Mayo Clime by Steribn de Queram and several others Herita has reported one case of complete transposition of the vectar The writer has seen one case Doubliet herit ha e been many unreported cases in which the multiple examination has been utilized to demon trate

th anomaly
Abertancy of the sigmoid ha been c pecially
described by Pfahler Special attention ha been
ge en the study of the pel ic culon by Pfahler
Jaugens (t2) and George n l Gerber (76)

Aberrancy of the sigmoid is not especially abnormal except through the enormous gas accumulations which are sometimes permitted Pfahler shows that these gas accumulations may cause temporary obstruction by pressure against other

loops of bowel
Athesions of the pelvic colon especially about
the hlopelvic junction are more likely to be the
real cause of constipation and resulting gas formation in these cases. The work of Eastman and
others shows that extensive membraniform and
others shows that extensive membraniform and
others shows that evitensive corporations with
out any visible constriction of the intestinal walls
of course these adhesions may also result from
salpingits and other forms of irritation of the pel
vice pertification.

The method of Jaugeas (12) is especially valuable in revealing abnormalities of the pulvic colon. It is often extremely difficult to different that betwich the deformity of the colon resulting from extensive sigmoidal adhesions and the filling

defects attending carcinoma

Carcinoma of the colon Schwarz (2) divides
carcinoma of the colon into several classes

Carcinoma with high grade stasis
 Carcinoma without stagnation of the con

In the first group the patients present typical symptoms of chronic elses. The abdomen is tense and expanded from the inflated bowel. The rontigen examination is indicated because the internist or the surgeon is not able to decide whether the obstacle belongs to the small or to the large intestine a question upon the decision

of which the manner and point of operative interference is considerably influenced

tents of the colon

It is probably wise to begin the examination in such cases with a barrum enema following it later if necessary by the ordinary barium meal When the lesson is thought to be in the colon, the enema is likely to give the earliest information writer (37) has shown that e en without the ad ministration of barium it is possible in most cases, to locate the site of the obstruction thanks to the gas distintion of the bowel almost univer sally present in these cases. If the central por tion of the ab lominal shadow is gas-distended showing the peculiar reticulated appearance characturistic of the small intestine it is likely that the obstruction 1 not in the colon but in the lower portion of the small intestine If the carcum and ascending colon are gas-di-tended it is almost certain that the obstruction is in the colon and not in the small intestine

In cases of ob truction beyond the hepatic flexure the calcum and ascending colon may form an extremely dislated sack, the thickness of a man a sim hanging low down into the pelvis. The content of the sack, is usually fluid and is easily recognized by its horizontal level seen with the patient standing which becomes undu lating when the patient is shaken. Above this fluid level there is usually a high grade gas-inflation of the hepatic flexure interlaced with haustral lines. In the middle of the tran verse colon there may be another accumulation of the liquid seen only with the patient standing. When the obstruction is in the pelvic colon there may also be fluid levels at various points in the descending colon.

Except in the presence of stenoses the colon can never contain such quantities of fluid In cases of catarrh or where there is liquefaction of the faces in the colon these liquids are soon emptied Stationary spaces filled with fluid and gas are found only in stenosis according to Schwarz.

Antiperistalsis alternating with onward peri stalsis, can be seen in the colon provimal to the lesion associated with borborygmi. The liquefaction of the content of the colon can only be determined when the nations is examined in the upright position. If the patient is so weak that he can not stand and it is necessary that the examination be made on the horizontal fluoroscope a correct diagnosis can be made from the prominent and sometimes really severe distention of the colon Even in this position lateral studies with the tube on one side and the screen on the other with the patient flat upon his back may serve to demonstrate fluid levels surmounted by gas accumulations Severe constant meteor ism of the colon : a constant finding in organic colonic obstruction although not pathognomonic of malignant obstruction

In carcinoma of the large bowel without stag nation of the content of the colon the following may be stated as a summary of the findings (38)

i hangeration of colonic antipenstaliss giving the appearance of penstaltic unrest (Case) to the barium content above the site of the lesion with arrest or hindrance in the on ward progress of present departure.

ward progress of ingested barrum

2 Arrest or noticeable hindrance in the ascent of
the barrum column when giving the barrum enema

Coincidence of a palpable tumor with a point of hindrance to the barium meal or barium cnema 4. A filling defect in the shadow of the barium filled colon. Frequently the filling defect is dist

tated indicating a caubilower growth \t times
it may be annular so that one may diagnose an
annular carcinoma

1910 Hznisch Holzknecht and Singer and Groedel soon confirmed these findings Further articles have appeared on the subject by Dietlen (30) Rieder (3) Kellogg (31) Katsch (32) and the writer (13)

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It is hoped that others will take up the study of
this question especially in children to with
some of the questions which are not yet conceled

by the surgeons Mobile donte catum. Thus condition had described by Wilms has been the subject of considerable study and no little controversy. Wilms, several years ago gave up his operation for fluid the mobile concum. There is not sufficient pace here to review all other literature of this place the subject. Sufficient pace here to review all other literature of this place the subject. Sufficient packets with the subject of the literature of this place the subject. Sufficient packets are supported to the subject of the subj

the read pout n of the colon Congental failure of the colon to rotate has been exported from the Mayo Clinic by Stierlan de Quera in and several others. Herit has reperted n case of complete tran position of the veera. The write has seen one case. Doublit's h it have been many unreported cases a which the onigen examination has been utilized to dem in trate this anomaly.

Aberrancy of the igmoid has be n e-pecially described by Pfahler Special attent on has been given the study of the pelvic colon by Pf hl r Jauguas (12) and Georg and Gerher 40)

Aberrancy of the sigmoid is not especially abnormal except through the enormous gas accu mulations which are sometimes permitted Pfah ler shows that these gas accumulations may cause temporary obstruction by pressure against other loops of bowel

Adhesions of the pelvic colon especially about the iliopelvic junction are more likely to be the real cause of constipation and resulting gas forma tion in these cases. The work of Eastman and others shows that extensive membraniform ad hesions may result from extreme coprostasis with out any visible constriction of the intestinal walls Of course these adhesions may also result from salpingitis and other forms of irritation of the pel vic peritoneum

The method of Jaugens (12) is e-pecially valu able in revealing abnormalities of the pelvic colon It is often extremely difficult to differen trate between the deformity of the colon resulting from extensive sigmoidal adhesions and the tilling

defects attending carcinoma

Carcinoma of the colon Schwarz (2) divides carcinoma of the colon into several classes

z Carcinoma with high grade stasis

2 Carcinoma without tagnation of the con tents of the colon

In the first group the patients present typical symptoms of chronic ileus. The abdomen is tense and expanded from the inflated bonc! The rontgen examination is indicated because the internist or the surgeon is not able to decide whether the obstacle belongs to the small or to the large intestine a question upon the decision of which the manner and point of operative inter ference is considerably influenced

It is probably wive to begin the examination in such cases with a barium enema following it later if necessary by the ordinary barrum meal When the lesson is thought to be in the colon the enema is likely to gi e the earliest information. The writer (37) ha hown that even without the ad ministration of barrum it i possible in most cases to locate the ste of the ob truction thanks to the gas di tention of the bowel almost univer sally present in these case. It the central por tion of the abdominal hadow i gas-distended showing the peculiar reticulated appearance characters tic of the mall into tine it i likely that the ob truction in t in the col n but in the lower portion of the mall intestine. If the cæcum and ascending colon are ga dit nded it i almost certain that the ob truction i in the colon and not in the mall intestine

In cases of ob truction beyond the hepatic flexure the carcum and ascending colon may form

an extremely dilated sack, the thickness of a man s arm hanging low down into the ptivis. The content of the sack is usually fluid and is ea ily recognized by its horizontal level seen with the nationt standing which becomes undu lating when the patient is shaken Above this fluid level there is usually a high grade gas-inita tion of the hepatic flexure interlaced with hau tral lines In the middle of the tran verse colon there may be another accumulation of the hould seen only with the patient standing When the obstruction is in the pelvic colon there may also be fluid levels at various points in the descending colon

Except in the presence of stenosis the colon can never contain such quantities of iluid cases of catarrh or where there I liquefaction of the fæces in the colon these liquids are soon emptied Stationary spaces filled with fluid and gas are found only in stenosis according to

Schwarz

Antiperistalsi alternating with onward pun stalsis can be seen in the colon proximal to the lesion associated with borbors gmi The liquefaction of the content of the colon can only be determined when the patient is examined in the upright position If the patient is so weak that he can not stand and it is necessary that the examination be made on the horizontal fluoroscope a correct diagnosis can be made from the prominent and sometimes really severe distention of the colon Even in this position lateral studies with the tube on one side and the screen on the other with the patient flat upon his back may serve to demonstrate fluid levels surmounted by gas accumulations. Severe constant meteor m of the colon 1 a constant finding in organic colonic obstruction although not pathognomonic of malignant obstruction

In carcinoma of the large bowel without tag nation of the content of the colon the following may be stated as a summary of the finding (38)

I Exaggeration of colonic antiperi tal is give ing the appearance of peristaltic unre t (Case) to the barrum content above the site of the lesion with arrest or hindrance in the on ward progress of ingested barrum

2 Arrest or noticeable hindrance in the ascent of

the barrum column when giving the barrum enema Councidence of a palpable tum r with a point of hundrance to the barium meal or barium enema I filling defect in the hadow of the lamum

filled colon Frequently the filling lefect 1 ligi tated indicating a cauliflower growth At times it may be annular so that one may diagnose an annular carcinoma.

Tachistiakoff N L.; Resection of the Upper Jaw in Malignant New Growths (Lur F ge de Resek tion d Obe k fry bei bosartig Veulaldungen) Ch g 1014 x , 187

1914 x , 187 By Lentralbi I d ges (h 1 Granze b

This statistical work includes 7 cases of malignant new growths of the upper jaw 48 of them sar cumata and 20 carrinomata from 1884-1912 Of the 77 cases, 43 of sarcoma and 2 of carrinoma were

operated on 7 cases were moperable. The ages of the carrisona cases 37.4 per contrarged from 40 to 80 years the surrous cases from 10 to 30. The most frequent point forigin of the turn to was the mucous membrane of the aid oler process and the madility alone, 38 year cent of the arr-movants and 21 year can of the arr-movants and 21 year can of the arr-movants unguanting there. Micro-superal examinas commans unguanting there Micro-superal examinas commans and 21 years and 21 years are continuous at 12 years and 22 years and 22 years are continuous at 12 years unsuperated and 22 years are continuous at 12 years unsuperated and 22 years are continuous at 12 years unsuperated and 22 years are continuous at 12 years unsuperated and 22 years are continuous at 12 years are

The 16 spreamata wer distributed as follow globular celled o fibrosarcoma 8 ost osarcoma 7 ost or i hibrosarcoma r myaord fusiform celled a giant celled ; my sosarcoma i cy tosarcoma i angrosarcoma e endothelial sar oma e polymor phous celle 1 1 Among the 25 operations for car cinoma 19 were complete rese tion 1 of them bilat arai nd 6 namai resections Among the sarcomata there were 34 compile resections 3 of them be lateral and 13 partial one In te was pre eding ligation of the carotid artery in 8 ascs D eff n bach sincts on was used in 61 per ent of the ases Nocher s Welk and Langenis L 1 th others

mort bly the use of death was purelent meningite i one case embolus of the 5 hun fossa in a and a ut name in Report of the ultimate result out the obtainst from nly on third of the part.

Of the ine most reserve it in the further fact of

ases died 15 5 per cent

lit rtle operation only

Of the 10 mpl tree ten the further fat of to 1 unkn we in 4 there at recurrence after month in it to menths that the month in aft the tool on the line after 2) are not a unit month.

Of the 1 mpl t resetts n fr cm 7 dus art port if fn n th ng; two n fo in 2 there was r current wh! till in the ho-patal cd lof recurrent after 4 months after 2 yar after 13 arts on lo month if the yer and the restillad on aftroly relating to the result of the reset
Rinderspach k Val e f Lumbar Puncture in Medicolegal ludgm at of Head Injuries (De Bedt t ng de lumbaly knon få de Begata h t ng kopf | t g) losts kr å Med

t ng kopf it g) forts a 2000 914 t 4 5 By & railb i d.g. Chur u.i Grenzub In patiente who bring sout for head injuries and complain of headache atol rance i raicohol etc especially when there are no objective symptoms and managering is suspected the author recom mends lumbar puncture in the prone position. An increase in pressure indicates an analom cal become inside the skull stritution of the meninges of chronic serous meningits. \ormal pressure does not prove that there is no lesion but shows that in cases that u re positive at first the organic changes are no longer exercising an irritant effect on the menings It is important in differential diagnosis that in pure neutasthenia the lumbar pressure be normal, on the other hand it is increased on pressure taking of alcohol and often in anamia and arteriosclerous It is important with reference to later examinations that the pressure of the cerebroops al fluid should be ditermined and a microscopical examination made of it immediately after a trauma of the head

GLISHE

Dunn A D: Pituitary Disease a Clinical Study of Three Cases. 1st J M S 914 cxl st, 4 By Surg Gyner & Obst

Dunn presents a clinical study of three cases of primary discase of different type. He emphasize the value of good 1 vary plates in obscure disorders of growth of saxual development and activity and in 35 mptoms pointing to intracranial trouble. Distributions of values, migrating epileptic attacks, psychical anomables, and trophic attacks, psychical anomables, and tropher disorders—study as obesity infantisism impot nor granification as obesity infantisism impot nor granification explanation.—should cell for an \(^1\) ray examination. He concludes with a scheme of classification of

disturbances of pituitary function as follows

I discriming the pars anterior

a Hyperfunction — a romegaly gigantism
b Hypofunction — true or p tuntary d arism —
n t cho drodystrophic rachitic or cretime duarts

2 Affections f the para posterior
2 Hyperfunction — diabetes insipidus

Hyperinction — bypophysial obesity — d) =
troph a adiposogentalis
 Mixed affections

a Hyperfunction of the pars ant rt r with hyperfunction of the pars postero — acrom galy the hypophysial obe-sty b Hippofunctio of both 1 bes — dwarfism with the post but all obests.

hypophysial obesit)

4 Hypophys I distu bance in co junct on its
per riced act tv I oth r glands

Ovarian or t sti ular hypotunci on with
 Hi perfunction of the pars and rior — acrome-

galy with sexual impot nee — cunuchoid giants
2 Hypofunction of the pars anterior — pistary dwarfism with sexual impotence

3 Hypofunction of the pars posterior — dysnophia adiposogenitalis

h Associal 1 with disturbances of the functions

i the ductiess gland is a adrenals, pancress, thy road pan I gland thy mus (status this moly is phat cus) etc.

Ro zer il i

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIOUE

ANÆSTHETICS

Gray H M W Discussion on the E clutton of the Shockless Operation — Anoci Association. B I M J 0 4. H. 340 By Surg Grace & Obst

The author considers the subject from the clinical side only He has for many years been using local angsthesia and looks upon it as the most important means for the prevention of pains and therefore He looks upon general anasthetics nar shock cotics and other precautionary measures merely as adjuvants to the local anæsthetic and argues against needless and protracted preparation before opera tion In order to exclude external impressions dur ing immediate preparation and actual operation after receiving an inject on of omnoron the pat ent s eyes are covered with list or cotton wool pads and the ears are stopped with moist cotton wool. Of the three general anasthetics - chloroform ether and nitrous oxide - he thinks the latter in skilled hands is the best but that for general use the open drop ether method is preferable. His method of using a preliminary narcotic is as follows

The night before operation a good night rest is

assured the patient by giving 5 grains of veronal at 5 P M and again at 9 P M One and one half hours before operation two-thirds of a grain of omnopon is given with 1/150 grain scopolamine in 17 minims of water. This produces an agreeable indifference to what is taking place and apprehension is removed. Gray has long ago given up spinal anæsthesia he relies on nerve blocking and local infiltration. In abdominal cases he blocks the intercostal and lum har nerves in the subcostal groove and as far back in the loin as convenient. To save time and prevent post-operative pain more certainly he infiltrates the skin and subcutaneous tissue along the line of inci-He is now using a solution of novocaine o as per cent potassium sulphate o 4 per cent and 12 drops of (synthetic) adrenalin to each 100 ccm. This was introduced by Hoffmann and Kochmann Gray calls it an \ P \ . solution — novocainepotassium adrenalin — \o-Pain Atter Of this solution 80 to 120 ccm may be used. He states that in over 2,000 abdominal operations shock was present in only two — and in both cases dread of operation had dominated the patient's mind for M S HEN ERSON necks

SURGERY OF THE HEAD AND NECK

HEAD

Bonola l' Techniqu for Intraneural Injection of the Superior Vazuliary Verre est the Foramen Rotundum (D uns t up le leuezonu crois tuche nel nervo mascellare pariore hi lo del foro grande rotondol Ball d m d 9 4 lx 66 By Zentralbi f d. ges Chu Grenzgels

The author asserts that the prevou ly described methods of injection of the uperior ma Bary at the foramen rotundum are too distruit and use the train and sometimes too dangerous. These da-advantages are overcome by a new method of supramilar puncture with dull immla puncture needle which has a curvature of 32 degrees which has a curvature of 32 degrees from the conduction of the conduct

and kept perpendicular to the horizontal branch so that the concav, yof the needle is directed upward. The needle must be carried in the same direction until hony resistance is? It at a depth of about 3 cm. This resistance is offered by the crists sphenotem poralis, which separates the temporal and 19 gonative foams and above how cred must be four do by gently the control of the contery consultance and the superior manillary perse-

The only uncerts aty in the method is offered by possible nomalies of the crista but these are rare as in 500 autopsies they we found only 23 times and the yo is interfer to with the method when there is abnormal is geness of the critic. The method does not danger any important nerves or vessels.

STRAVA.

The colon is often distended by gas and gas collections are seen surging backward and for ward owing to the alternations of peristalsis and antiperstalus

6 Marked ileal stasts when the neonlasm involves the carrier ileocarcal valve or the first

part of the ascending colon

The hindrance to the ascent of the barrum stream may be out of all proportion to the amount of actual obstruction. This seems hard to explain owing to the fact that in nearly all cases the ordinary meal as well as the harrum meal. when taken by mouth pass the tumor in compact as well as in liquid condition whereas the lesion presents an almost insurmountable obstacle for the barrum enema, causing the distal por tion of the bowel to overfill producing localized pain and tenesimus.

This difference between the behavior of the lesion to injecta and ingests can be explained according to Schwarz (2) only by the theory that the tumor has adapted itself from the earliest stages to the pressure of the stools from above and that its funnel is shaped by the natural direc tion of the stools. On the other hand the enema which approaches suddenly from below instead of from above does not find the way prepared for this abnormal direction of passage and the absolute resistance is established thus giving rise to the picture of valve closure because it occurs only retrogradely (rentileerschluss)

The overfilling of the portion of the bowel distal to the lesion with localized pain and tenesmus, develops especially just below the point of stenosis. If the patient complains that the pain is severe the irrigation should not be forced any further Even the mere pressure from the irriga tion might cause perforation of a disintegrating

tumor One point to which attention is called by all writers on the subject is the necessity for repeat ing the examination after the lapse of a day or

two at least in order to verify the findings One of the most important lessons pointed out by the foregoing summary of rontgen studies of the colon is that the \ ray investigation of any part of the alimentary tract must include a careful study of the entire digestive system Just as in rontgenography of urmary calcult one does not feel justified in reaching conclusions without having carefully searched the entire unnary tract so also in gastro-intestinal rontgenology one should not express any conclusions until the entire alimentary tract has been studied. The various segments of the alimentary canal present such an intimate interrelation governed by reflexes not as yet any too well understood that conclusions especially when operative mea ures are to be based upon them should be expressed only after the most thoroughgoing studies

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33H 4 S 37 CARE JAMES T Am Routgen Ray Soc 9 4 38. Ibid I terst M J 9 3 az No. Schleidt J The Hypophysis in Feminized Males and in Masculinized Females (Über die Hypoph se be f man rie M nebe und mask heite Wicheh) 2 l hl f Phy of 014 xxx 1170 By Zentr libl f d ges. Gynal. Geburchs a. d Grenzgeb

A report is given of the histological studies of a series of rate consisting of sexually normal animals castrated ones and ones in whom after castration gland of the other sex had been implanted. As in these feminized and masculinized animals the effect of the generative part of the genital glands was excluded by the tran plantation and only the interstitial part was active a study could be made of the question of whether the cranges in the hypoph vsis aft r castration described by /acherl were due to the lack of the generat e or the interstitual part of the glands The results were a decrease of cosmophile cells and the appearance of large vesicu lar cell with pole nuclei and acuoles in the hy pophyses of the castrated animals on the contrary in the masculinized and feminized animals the by pophyses howed the type of sexually normal animals with the exception of one in which one of the im planted glands was completely absorbed - in this case solitary esicular cells with vacuoles seems to how that the cha ges in the hypophysis after ca tration are due to the lack of the interstitial part of the male and female sexual glands SALLE

NECK

Michenty F E Tumors of the Neck. S g
G a 406 ! 9 4 viz 4
B) Surg Gynex & Obst

I umors of interest from an embryological o developmental point of view occurring the neck are of great mnortance on account of their comparati e ir quency and difficulty of diagnosis The reco d of th Roy I Victoria Hospital during the pa t ten years showed 15 cases of branchiogenic of bran hiogenic carcinoms q of thyroglos sal Cv ts and o roted body tumor A review of the emb vology a d de elopment of the neck was considered rath detail in order that a bett u d ratanding of these tumors might be obt ned The main f atures discussed we e the formation of the prec raical nus the entire de elopment of the thyroid [m the floo of the mouth the fate of th ult mob a chial bodies and finally the devel pm t of th aroud body i om the sympathetic

st m
In re w gth ecord of the cases reported t
was point d out th t the bra chiogene cysts ar
usually of slow growt hou may suddenly increase in
n c out of infection r m ligna t change
B n c out of infection r cry malign at a
most free curly found in evy malign at a
to consider curly found noted due to the fact
th t h, co i ge lin ragard to thyreglousal cyt the
finqu ns vio feur rener was noted due to the fact
th t the geo hand not completely c tripated the
tet t wall o ing to difficulty follow g it th ough

or behind the houd bone Carotid body tumors are usually of slow growth are looked upon as benign tumors, and are very difficult of removal on account of their situation at the bifurcation of the common carotid one of the vessels usually requiring heating in attempts at removal

including an action of the possible of the training and the coupling are training as the coupling are t

From the many complicated changes occurring in this region it is not difficult to assume that the snaring off of embryonic portions of these arch structures could easily account for the mixed tumors

found in this situation

Grumme Theory of Basedow s Disease Myzardema, Cretinism and Mountain Golter Hyper and Hypothyroidsm. (Gur Theorie on Morbus Basedo u Myzodem Aceti usmus und G buyskropf. Hyper und Hypothyroidsmus) Berl II 8 & & 19 4 h 737 By Zentralb I 6 dgs Chu u Grenzgeb

The author discusses the view f Marmon of Barcelona that there is no such thing as hyper thyrodism but that (i) myscodema and cretin sin are du to defect ve utilization by the thyrod of the iodine taken in with the flood the organ ism does not get not give the absoluted indice and (i) in Basedow desase the hode is that gets into the blood is not sufficiently metabolized or that the body is flooded with unmetabolized that is injunous odine.

The author comes to the conclusion that natural iodine albumen after t has been changed into a form pecubar to man series as a hormone in the internal secretion.

The first case f myxordema is a lack of odine

the nutrition that of Basedow a class of uncertainty and the second of the class of

sons () Cretinum and myselems is coeffiendemic pot are favorably affected by thyroid odin (i) the endemic gotter of moutan n reg m i bo decreased n are by morgan couloue but more so by as a codin albumen preparations in the contract of the contract of the contract of purpose (i) in desease any form of rodin is n purpose (i) in desease any form of rodin is n purpose (ii) in desease any form of rodin is n often a precursor. Bandow's dressey so due as look harmful Chiarl R: Are All the Heart and Blood Vessel Symptoms in Basedow's Disease Du to the Disease (5 nd alle bei Morb s Basedow or handenen Herz- und G f serscheinung Basedow Symptom)? Zi chr f ngcu i i A s-

#1 10 # 1014 | 80 By Zentralbl. f d. grs Chir u s. Grenzgeb.

This work tries to clear up the injurious effects on the heart in Basedow's disease. The author calls attention in the first place to the fact which has been proven anatomically that there is no definite relation between the heart symptoms and the other Basedow symptoms \ myocarditi which would be expected in severe cases in analogy with other processes causing heart in ufficiency is rarely foun i

The heart symptoms cannot be explained through

the specific effect of the Basedow's disease but are to be attributed to different functional disturbances which are generally present before the beginning of the Basedow's disease but only become manifest after it develops. In important point is that the history of Basedow patients often shows a hereditary taint of rheumatism scarlet fever chores ney disease or congenital hypoplasia of the blood vessels. Such antecedents serve as a basis on which Basedow's disease may develop If valvular disease is already present the Basedon s disease hastens the insufficiency resulting from it The foundation of the heart symptoms in Basedow s ducase is to be attributed to ch ages in the heart in youth and to a decentrative predispositionhabitus asthenicus

H str.

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Lamper Castration in Cancer of the Breast (hastration bet Manimac remont) Geburt & n Gy & 19 4 Esaus 704 M at be By Zentralbi f d. ges. Gynth. Geburtsh a. d. Grenzgeh

The author observed in five cases that caremoma of the breast was favorably influenced by castration and the effe t was not ceable a few days after th operation. In one case the primary tumor decreased in four we ke to one third of its original sice and the enlarged axillary gl nds hsappeared com pletely This method suggest d by Beatson has only a palliative value but used as a preliminary operation before radical amputation of the breast it may improve the result

Peuckert Technique of Late say e Resection of the Thorax in Old Cases of Emprema (Die Fechnik

greich to Thornare-ektionen bes eralt i mps m) Be i s li Ch 914 48 By Zentralki I d ges Chur Gnazgeb

The auth r recomm sels the operate e treatment f old cav ties from empy m in four tages () The first consists a free opening of the thorax at the lower end of the c sty followed by assiptic tam pon and irrigation (2) I the sec ad the post n or thoracic wall of the ca 13 is incised (3) While in the third the anterior wall is neised (4) Last Schede a flaps the already cived ribs al the thickened pleura are freed (ridiron inciss as are made in the pleura

In smaller ca rues stages two and three and some times four can be combined The author h s oper ated on 10 cases of met pneumo ic emprema in this way and one case of tubercular emplema examination showed no deaths resulted eneral con that there were no dation was good. A fi had a 102 Often after the t 1 the first stage there is free discharge of secretion, fall in temperature and surprising improvement in the

general condition. Bernard Léon and Paraf J : Th Origin of Pleural

Lifusions following Pneumothorax in the Tubercular—Natural and Artificial Pneumothorax (L'origin des spankiments pleurs con-sécutif au preumothorax châles tubers leu-pareumothora studies et perumothorax artificels? B H See d'et d se s hat beré 9 4, 9 B 3, Zentralib f d ges Chur u i Grenzgeb

The pleural exudates that frequently follow a spontaneous or artificial pneumothorax are almost all caused by the tubercle backles and not by a secondary nection. They are guerally serous at first gradually become turbed and if they last long enough finally purulent Independently of the character of the expedite bacilli are often found in it in such great quant ties that they can be found n a mple sme r and often in such small numbers that they can only be demonstrated by inoculation in animals. The course and character of the pleuntis are not influenced by these differences In the exudate fter spontaneous pneumothorax there are generally many tubercle bacilli after risficial pn umothorax only a few

The authors concluded that this differe ce was due to the fact that spontaneous pneumothorsx is generally an open or val e pneumothorax while the artific: I pneumothorax is closed and they fined to find whethe there was a constant rel tion be tween the kind of pneumothors and the number of bacilli 1 the exudate. They tried to determine the Lind of pneumothorsx ; sate by intrapleural measurement of press re with Kuss insuffation apparatus and by the injection of an aqueous solu tion of methylene blue into the pleural cavity

In open pneumothorax th pressure is the same as or lower than the atmo phene pressure and the excretion blue in sals pneumothorax the pressure is higher than the atmospheric and the excretion uncolored in closed pneumothorat the intrapleural pressure is negative but ness on insufficiation of gas and the exerctions not colored blue. The reliability of this method of examination has been confirmed many times on utopay The bacterological examination of the pleural enadate at the same time shawed that in fact in open and values of the pleural enadate at the same and the same of the pleural enadate at the same and the same of the pleural enadate at the same and the same of the pleural enadate at the same and the same of the pleural enadate at the same and the same of
The purely tubercular nature of pleural effu aons after paramothorax makes it probable that with the beginning of the latter there is frequently an irreption of greater or smalker num bers of bacilli not the pleural cavity. In open and valve pneumothorax this may come about from the fact that the tubercular patient coughs into his pleural cavities to a certain extent through his pleuropalmonary fistule. This is generally the

case in spontaneous pneumothorax

In artificial pneumothorax the breaking down of adhe one opens the way to the pleural cavity for the bacili. If a fibrous pachypleums with a few small tithercles was the cause of the adhesions when they are broken down only a few foct of bacilia are the parameters are the present of the pre

the entrance of many bacili
In the discussion Rist and Range confirmed the
essential points of the authors
HARRASS

Lyon J A. Therapeutic Art fill Pneumothorax Associ t Treatment of Pulmonary Tuber culosis a Prelimin ry Report of Sixty Two Cases. B / M & S J o 4 1 3 9 By Surg Cynec & Obst

With few exceptions II of the cases reported were bit teral It has b en the autho rule to ref a n from at one establ hing a complete collapse of one lung when the disease tend beyond the apex in the opposit ling. The greatest value of artificial pneumothora li n relie ing the cough the amou't of expector tion d th toxxma h restricts g the mobil to of the more extensively dreased lung Lat f cond t us are fa orable a complet pn umoth ra may be established. In several se following thi treatme t all physical disease h e d sappea d n the anex of the untreated lung The hange is credited to the dimini hing of the cough e pectoration and toxemia

The failure are econied under three h ade gs (1) undateral case with t not epicural adhesto s (2) cases in which an act process in both lungs his extended bey nd the apices and (3) cases which

were rapidly reaching the terminal stage. On account of the simplicity of the method the For lanini operation was used. The technique is given in detail

Pleural shock cardiac dilation infection sponta neous pneumothorax air embolism pulmonary harmorrhage and recrudescence in the untreated lung are the chief dangers accompanying induced

pneumothorax

Of the 62 cases treated 2 were incident and treatment was given to relieve frequent hamoptysis The lunes in both instances have remained collapsed and there has been no return of the hamonty is There were 11 case in the moderately advanced stage of the disease 2 in which the prognosis was questionable 17 unfavorable and 12 had. In three instance, the lung was collarsed to relieve harmon rhage and the experiment was successful treatment had to be discontinued with two of the patients on account of a recrudescence of the disease in the opposite lung. One developed a severe hamoptysis in the uncollapsed side and the treat ment had to be abandoned four had to be dis continued on account of a rectudescence in the opposite lung in one on account of neurosis in 3 because a sufficient amount of gas could not be in troduced to insure results. In two instances the treatment was abandoned on account of the occur rence of pleural shock as the nationts became unconscious The treatment was discontinued in still another case which developed appendicutis. One patient died following a spontaneous puris motherax and the treatment was discontinued in another case on account of adhesions at the base of the opposite lung causing marked disputes

Of the 15 remaining patients 5 have been discharged and are doing well 3 of this number are at present employed. The treatment is being con tinued satisfactorily in the remaining, 10 cases, many

of whom will soon be discharged

The greatest number of injections made in a given case was 28 the maximum amount given was 700 ccm and the minimum amount was 50 ccm with the exc ption of the patients suffering from pleural shock to wh m none was given. In the 20 far ad anced case the prognost wa u favorable n to and bad in to The treatment was discon tinued 1 8 instances on account of rerudence co in the untreated side 4 on account of neurosis 10 on ac unt f de se uny ld ng pleur l'adhesions One died of acute c reliac dilation and p Imonary ordema. Of the 6 rema ming put int one has been discha ged as arrested and is wo k ng 3 are progress z g satisfact nly the treatm at was d scontinued another instance on account of pr gnancy and the one case remaining is a pontaneo s pne mothorax the collapsed lung being maintained by occa-

sional introductions of gas.

When the re ults of the treatment are nalyzed it must be understood that n almost every instance the progress was not encourage and a progress.

the prognosis was not encouraging nd was in most instance exceedingly had. Of the 62 case treated

58 were bilateral and 4 were umlateral The treat ment was discontinued in 13 cases on account of dense unyielding pleural adhesions, and in 12 on account of recrudescence of the d sease in the un treated side Enwann I. Consett

Uffreduzzi O: Surgical Treatment of Pulmonary Tuberculosis. I ter at J S g 0 4 z vn 275
B) Surg Cypec & Obst

Imong the recent methods of surgical treatment of tuberculose of the lung has been the resect on of the first rib by Freund who belie es that compression of the lung apex causes a poor blood supply Shrinkage of the diseased lung has also been tried by ligating branches of the pulmonary artery Vest pneumothorax was advocated by Forlaning this was limited in a plication to unliteral tuber culosis and a chest free from adhesions. When adhesions are present I nedrich Bauer and Schede have resorted to thoracoplastica extrapleurica. If the lower lobe is involved phrenectomy in the neck has been done

The author has I lied animals four months after phrenectomy had been done and found the lung perfectly agrated throughout no changes had oc curred Sauerbruch has performed it on a few cases

with favorable results

Pneumothorax is the best surgical treatment next to which comes thoracoplastica extrapleurica as done by Wilms Phrenectomy is a relatively simple operation and may be used in tuberculous of the lower lung in conjunction with thorscopla tw

LLGE & CARY

TRACHEA AND LUNGS

Good R H Removal of Two N II from Bronchi of Child Two Years Old 1 1 W J 04 By Surg Gynec & Obst.

This case was seen arily an \ y taken shortly after the act dent d sclosing two nails heads down one in cith r bronchus The child became very cyanotic at times bec use the heads f the nails

closed the lumen f th bronchs

Bruening's smalle t bronchoscopic tube was used nd the nails were removed by gra ning them with forceps - the t be forceps and nail being remov d at the same tim as the dameter of the heads of the nails was greater than that of the tube The patient was kept in a steam tent for two days and the throat or so nally sprayed with ad nalin and cor one. At the ind of 36 hours a light orderna of the el this de cloped but soon baided

The author mphasizes the importance of immedi ately taking \ ray pr ture these cases and I th use of short exposu es - one tenth to one fifth of a second 1 oreign bod es should al 3s be remo ed as soon as possible Tracheotomy is not ad sa k as it greatly increases the mortality a d FLGE C necessar)

Henschen K : Experim uts in Intrathoracic Sur gery of the Lung (Expenser t & trathorskalen Lunge hururge) B tr kl Ch 10.4 c. 19 4 C, Grennerh 373 By Zentralld f d. ges. Chur The author performed the following experimental operations

I The bringing of the lower lobe under the disphragm in order to attain as great contraction

as possible from compression 2 Enveloping a lobe of the lung in a purse like covering of tran planted fascia to produce lobar compression of only one lobe

The use of a flap of fascia to hermetically close the bronchial stump in exterpation of a lobe of the lung It is well known that extirpation of a lobe of ung often fails because this stump is not perfectly taken care of and mediastimitis results the care of the bronchial stump is a technical problem that his not y t been solved

4 Strengthening Tiegel's peribronchial suture of the bronchus after rupture of the bronchus or bronchotomy by placing a strip of fascia around it as well as permanent ligature of a bronchus with a strip of fascia or tendon

The placing of the lower lobe under a flap of fascia fastened to the disphragm to attain intense

compression of the lung 6 The artificial raising of the diaphragm to

autoort the lung in compression 7 Compression of the lung from also e and below by the insertion of two flans of fascia.

Among these numerous new methods the author is only ready to report on the first. The experime is, which were made on dogs, sho ed that the artificial displacement of the right as well as the left lobes of the lung un ler the diaphragm caused intense compression of the lung the lung, compressed between the disphragm and the liver sho ed a m rked degree of compression at lectasis. All of the animals except one which died of pleurisy from the

operation s ryived The uthor proposes that this should be used as an early operation in bronchiectasis of the lower lobe in human beings It leads to a degree of com pressio of the o gan that c nnot be attained by any other operat on

HEART AND VASCULAR SYSTEM

Carrel A. and Tuffier T Pathological and Experimental Study of Surgery I the Orafices of the Heart (Et d natomo-pathologique t per mantale 1 harurge des orafices d com) Pre se mid nel 9 4 xxu 73 B) Zentralbi f d ges. Chur Grenzgub

In operat g f r heart incase the kind of al it on is important as will as the condition of the heart and blood vessels 'tecording to the au thors research m trai st nosts, some ortic stenoses. nd some pulmonary st nost m 3 be oper ted

The da gers f perat on onsist i rice to the coronary arteries hemorrhage entimates of air into the heart and vessels and in the formation of thrombi. The coronary venns can be ligated with out danger but ligation of the atteries is well borne only in the periphe. I segment The severity of the hemorrhage depends on the size and direction of the wound. Hemorrhages from the right suncies are the hardest to control. The entitance of air

to the left vestracle a a very grave accident as a also the for matton of through. The so called dan grous zone in the heart muscle includes the consury ricrus from their most to the first that creation a d the septium between the two auricles. An income in the region of the boundary between the auricle a d ventrale causes immediate cessation of heart action as Haecker and Schepelmanh substant. Also the theorem with the substant and the through the substant and the through the substant and the through the substant and the subst

Amo g the methods for tempora y hemostass, the authors beloe the none best be red stoom pression of the superior and inferior can case, as recommended by Haecker Internal and ternal val vulciony is practiced in the treatment of st nosis the former is accomplished by making in incision with a suitable instrument eithe near the contract of pla or of at a distance form it Another method of treating stenos is to form an astomosus between two points above and below the contracted tween two points above and below the contracted the best mode of approach to the beart. Several case h it es conclude the work.

PHARYNX AND ŒSOPHAGUS

Syring Clin cal and E perimental Study f Plast c
Operation on the Chophagu (kl aches und
1 penns t lles ur Choph gopla tk)

7t k f Ck q 4 xx 60
By Zent abl f d ges Chur G enzigeb

G enzgeb The author r ports the case of year old gi l on whom a plast operation was pe f rmid on the asophagus fo stact re following co osa n with adver nitrate solution 1 loop of jejunum w sed beginning bo t 35 cm b low th jejunoduode 1 fold bout o cm of the 11 um was freed of sts musente y sect d transversely t the lower end drawn up through sit in th mesocolon and the upper opening sutu d nto th k of the thorax so that the motion we of course in peristalt c.

The coophagus was to d with the stoma h The asophagus was by anastomoss a 1 th n a 1 t ral an tomoss made between the taple at disop dish distal e d of the ji num wh h hal bee losed tan plant d loop w arrow 1 ly th 1 rss sil, utur to nd t The loop wh hopened t the l vel of the nipples remed will nour he do but the upwerd pen telss soo pro ed desastrous Lood my n through Witzel fi t la that had been

at blished before the operation was ejected a

short t me afte be ggi through the uppe open

ing it was sometimes mixed with bile and amounted to a much as 1,950 cm daily An attempt was made to prevent this first by sectioning the translanted loop between the anastomosis in order to prevent regurgitation from the duodenum and later by separating the mesentery is il attached to the loop in order to cut off nervous influence. Thuse attempts were unscreensful and the patient died of pilmonary tuberculosis which had developed mean

The previously published case reports have held that penstals in the transplanted loop was of no significance. In Roux s method the loop is placed in such a position that peristalsis takes place in the normal direction but in this case it was so much more convenient that the antiperistaltic direction was del berately chosen because it had always been reported that the direction of peristalsis made no difference and that penstals s gradually stopped The preceding case shows that this idea is mislead ing and dangerous Syring believes that this case shows that the autonomous system of ganglia in the intesti al wall determines the intestinal movements He thinks also that in his patient perhaps the in creased vagotonus influenced the course of the condit o and that the results of this method would not have been so bad in a patient without vagotonus

He then takes up the discussion of the published cases that are not in accord with his results. His case caused him to take up experimentally n does the method proposed by Jianu of forming a tube from the greater curvature of the stomach because he thought that there must be the same disadvan tages in this because of the antiperistaltic move ment of the new tube F ve of the seven dogs died before the sixth day so that it was only possible to observe the eff cts of the Jianu operation for a longer time than that in two cases In these there was absolute insufficiency of the gastrostomy to such n extent that one dog whose history is gi en though it ate g eedsly d ed from malnutrition after about 6 weeks Actual peristaltic movements were not observed in the d scharge of the food from the tube b t Syri g thi La that perist less probably played a part in it I or the reason he bel even that lianus method although it is technically easy to perform and gives good conditions with relation to the nutrit on of the tube is not without diger at ny t Mey r's suggestion should be carried out car fy the scrous cost at the point of entrance in to the st much so a to cut off the nerve conduction to the tube as much as possible and also by torsion of the tube according to G suny s method th between the tube and the stomach comm cat hould be ma! as small as poss ble so s to m ke th pass ge I stomach contents to the tube diff cult H Iso recommends atropin and paper rine to deer ase gotonus Because of the nuperistal tic motio h also rejects on h has a ggestion to separate th stoma h in front of the pylorus

t n plant it to f m an a sophagus, Lizzus

SURGERY OF THE ABDOMEN

ABDOMINAL WALL AND PERITONEUM

Drumer: The Arched Epigastric Incision (Der bogen range Bauchachnit im Lpigastri m) Z ntralbl f Ch 1914, xl 84 By Zentralbl f d ges Chir u. i Grenageh.

In order to spare the nerves fascia and muscles the author recommends the lateral pararectal ob lique incision in the lower part of the abdomen and in the region of the engastrium an arched incision opening downward Both incisions are described in detail, and are consid red better than the ones heretofore in use The former is made near the sheath of the rectus separating the aponeuroses in the direction of their fibers. In the other the slin, fatty tissue and external sheath of the rectus are cut in an arch shape then the rectus is drawn to one side and the post nor sheath of the rectus and perstoneum opened or if more space is needed the rectus itself is incised on one or both sides. The author has always had excellent result with this 10015-00 LYOKE

Guibé, M. Adenomata of the Umbilicus (Les adénome de lombil). Res de g) és et de ck abd m 19 4 x 11 70 By Zentralbi f d. ges Gynák u Geburtsh s. d Greuzgeb

All known cases except one were in women There is no connection between adenoma of the umbilitium and pregnancy. The ade omats are from the size of a hazel nut to that of an orange and may be sessile or peduncied. There is no sharp boundary between the tumors and the ne ghboring usawe. They come to firm on network usawe containing mancle fibers and if tubular glands sometimes. Bowling of the containing mancle fibers and if tubular glands sometimes become greater than the constitution of the containing and contained to the containing mancle fibers and it tubular glands sometimes. Some greater than the non-distinct glands. Cylundrical and chated in the dastended ones it was from the cubical to the parement type. The glands are filled with a brownish black subst nee in the connective tissue there is ablu dant bemorrhage and

pignentation
The symptoms consist of pai which increases at the mensitration time there may all ob hemore happens the mensitration time there may all ob hemore happens the set of the time of the of the time of the time of the of time of the time of the one of time o

The tumors are to be regarded therefore as pseudotumors tumors

Hossell H: Leucocytosis in Intraperitoneal Histonocrings (Leukocytose bet Intrapentrusal bi tu gen) M th. d Gren geb d M d u Chu old M ii d u Chu

By Zentralbl. f d. ges Gynak, u. Geburtsh, s d. Grenngeb, A short review is given of the literature on leucocytosis in intrapentoneal hemorrhage. The author describes four of his own cases of hyperleucocytosis in intraperatoneal harmorrhage resulting from tubal abortion or ovarian apoplexy. He experimented on rabbits to determine under what conditions hyperleucocytosis is to be expected in hemorrhage The result showed that the withdrawal of blood alone did not cause an increase in the white blood cells but when the blood taken from an animal was injected into its own abdominal cavity of into another of the same species there was a marked hyperleucocytosis which reached its maximum about six hours after the injection. If the blood was inrected subcutaneously into another animal of the same species, the leucocyte curve did not use but it d d if the blood of the same ammal was used. The curve reached its maximum height in this case in

about 24 hours

The experiments showed that the leucoyte count cannot be used for the differential diagnosis of intra-shdominal hemorrhage and inflammatory processes but if there are no marked signs of infection hyperleucoytous may be regarded as a sign of intranentioneal hemorrhage.

Noetzel The Use of Brenner's Principle in the Radical Operation for Inguinal Hernia (User Verwendung des Brennerschen Prannes tel dir Radikaloperation der Leutenbernen) De Isthe Ge dieh f Ch. 914 By Zentralbi f d ges Chu u. 1 Grenzych

In Brenner's typical suture sature of the internal oblique to the cremister massic places raman e ternally where the cremistre discussion from Foupart's bigament and the state of the form Foupart's bigament while tremait a tental region of the properties of the form of the second to the cremister of the passes through the rowned external regional mag la refer to make this sature from the cremister is separated to it as lo er and To free lower and is a torsed into the name lower angle of the hermal opens of the threat free edge of the cremister being fixed with a few sature to but a part is ligament the med an origin to the name oblique. The museum and the sature to be one fully developed in large primate, may thus serve t bright of the properties of the satured part especially without any tensor or separation of filters on

Poupart a ligam t

If the ternal blique is very high and there are

very great gaps the cremaster does not always suffice to cover them In these cases the insertion of the internal oblique into the rectus is to be cut with a piece of its aponeurous and drawn down ward where it is fastened at the internal angle so that the normal course of the muscle inward and downward is restored. After this the suture to the cremaster as described is carried out this way very large gaps can be bridged over and a firm posterior wall established without any

Brenner who originated this method has used it in about 4 500 cases and in a large number of cases examined afterward he found only 5 per cent of recurrences. LATZENSTREN

Maclennan A The Simplified Operation for the Cure of Hernia in Infants. Cl By Surg Gynec & Obst zhu 440

The operation which the author performs is said to be so simple that the dangers associated with the radical operat on for herma in infants have an ushed. The selection of the case has become less exclusive and the prehminary treatment other than preparation for operation abandoned the dress g

while the after treatment is nil In the preparation of a case phimosis if present is corrected one month before the pr posed radical operation. In e ceptional circum tances, the cicumeision and the herma may be operated at th same itting No change should be made n the diet nor should the bowels be interfered with The groin is washed with soap and water followed by alcohol The hips of the infant are well raised on a and pillow. This i important as the operat on is much facilitated by rendering prominent the parts under view

The operation is as follows. In inci ion three quarters of an nch in length i made through th skin so that its center is o r the internal ring I we blunt retractors are inserted into the wound and used to force apart the deeper tissues. By this means the fascia of the e-ternal oblique muscle is torn through and by moving the retracto s to and fro the blush more glistening cord and sa become apparent Where obscurity exi ts it will more likely be due to false posit n of the incision or incomplete severance of the abcutantous tissue The sac and c rd are picked up and drawn out of the wound and the sac is rap dis diese ted free from moved unless absol tely necessary If the sac is a true congenital o e it must be d'aded so as to

permit a cov rs g for the t sticle The sac she ld be feed from all adhesions unt l the junction with the peritoneum has been reached and then tre ted as in Maceuen's operation li long it should not all be r turned into the bdomen the requisite amount should be ligatured to punctur ng at the desired spot and making a single kn t ro ad one half the ends are then carned rou d the

other half and double-knotted. The upper portion of the sac is cut off. Having threaded the sac a pair of broad straight scissors are passed up the canal between the parietes and the sac to act as a guide for the sac puckering suture the needle hold ing the suture is passed up the canal eve first beyond the internal ring and when the scissors have been withdrawn and the upper angle of the wound pulled upward by a pair of dissecting forcers the needle with the suture is made to perforate the abdominal wall. When this suture is pulled upon the sac retreats up the canal The suture is fix d to the fascia of the external oblique muscle by a single This anchors the crumpled up sac at the internal ring where it acts as a sentinel guarding the canal The sac suture is used for the closure of the

wound The dressing used is a small toll of gauze which little more than covers the wound. It is retained in position by a strip of rubber adhesive tape two by three inches in size The after treatment consists

in leaving the infant alone and feeding him properly The article is accompanied by many illustrations showing in detail the method of operation

EDWARD L. CORNELL.

GASTRO-INTESTINAL TRACT

Brown Jr A. G. Diagnosis of Certain Stomach Cases. South V J

By 5 rg Cynec & Obst. The author shows how certain diseased conditions outside the stomach may express themselve through stomach symptoms He gives cleven different con ditions and illustrates each with a case report

The intimate and complicated connection between the stomach and other organs through being sur rounded and connected a th other digestive organs being supplied by a large number of blood vessels being atimately associated with adjacent organs nd being c anected by nerves with remote parts of the body makes it a prom nent agent of expression

in disease Inasmuch as the motor veretory and sensory action of the stomach is controlled by the nneumo gastric and planchuse nerves any dirargements of their con ections will u ually aff et these functions of the stoma h

Cond tion out if the tomach which often ex-

press themsel es th o gh the stomach are t Certa non bacterial toxic disturbances such a diabetes gout and nephritis also certain bacterial

if tons - a the infiction f vers, tuberculus d mute adocardit s C reach contations of the cerebrum -- as to

mors ab-cesses harm trhages embol m a d mo ts nal t t

3 From the pharyou laryou and lasts whoops ge ugh t bereulous aneurs in and go t r 4 The st mach telf - a in gastratis dilatati n pylone at nosus ule r and cane r

s from the h r and gall bladder 45 III bo-

lecystate h part all patic c sc

6 From the Lidneys — as in nephritis, pychtis renal colic, and floating Lidneys

7 From the pancreas - as in pancreatitis and cancer of the organ

- cancer of the organ
 8. From the uterus and appendages as in pregnancy misplacements inflammations and stenosis
- of the cervix.

 9 From the bladder and prostate a in cystus and prostatul etc
- 10 From acute infections of the peritoneum 11 From the intestines — as in duodenal ulcer appendicitis parasites obstructions, hernias etc.

appendicitis parasites obstructions, hernias etc In closing the author emphasizes the study of the intestinal discharges in all stomach cases

Pantips M Cirise

Asford W H A Rontgenological Study of the
Vi mentary Canal J W Soc V J 10 4 1, 134

By Surg Gymec & Obst Axford a paper is devoted chiefly to the effects of gravity and piosis in the production of angulation Links evolutionary bands adhesions and secondary inflammatory processes resulting in stasss and obstruction. He come area the intestine to code of rubber tubing suspended on a row of nails. In certain parts of the intestincs viz the so called normal suspension points, such as the junction of the first and second portions of the duodenum the duodenojejunal junction terminal ileum hepatic and splenic flexures, the writer almost invari bly finds angulation and marked changes in the lumin of the bowel. There may result simple michanical obstruction mechanical obstruction combined with organic changes and organic changes without mechanical betruction lie thinks that heredity plays an important part in many cases and has found contracted mesentery evolutionary bands and dissions in babies suff ring from digestive distu bances long before they were able to walk Healthy babies may k-velop these troubles afte beginning to walk. The appendix can be tudied in go per cent of the cases. A non function ng fixed kinked or clubbed appendix is usually path logic

He summarizes the 'mpitoms of stasis according to Lane quotes B inbridge with approx of praises the 'ray as a means fa curate to alteation of the trouble and tou hes upon the question of ire time to the title and unique.

**The content of the con

Pelser Post Operat e Paralyses of the Stoma h and Intestines (the postoperat Mag. d 1) mishm gt.) B l ll ll h h q 4 l

990 By Za trafid f d ges Gynak G burtsh d frenzgab

In post perati paralise of the ga tro intestinal ir i the such i tungu shes paralise of the stomach paral is of the st mach and intestines and paralises of the i to lost-oparati par lists of the stom chi much more frequent than is supposed. Youse a d m i g are begin if stages of paralises of th tom b a d are observed very frequently be e pa ally is of the tomach

auth copous gushing somating as much rarer it is also accompanied by marked distation of its stomach profites secretion of the mucous membrane of the stomach profites secretion of the mucous membrane occlusion of the dispersion of the dispersion of the dispersion of the profit of the stomach should be sworded after spatients such as one of the stomach should be sworded after operation also to early feeding by the mouth This is the more than the stomach should be sworded after operation also to early feeding by the mouth This is the more than the stomach should be sworded after the stomach should be sworded after the stomach should be such as the stomach should be sworded after the stomach should be such as the stomach should be sworded after the sworded after the stomach should be sworded after the stomach should be sworded after the sworded afte

oft a complar of thirst There is another form of post operative paralysis of the stomach, without profuse secretion and without occlusion of the duodenum but generally in conjunction with paralysis of the intestine. It dis appears under the picture of post-operative paralytic sleus all the attention being directed to the int stinel paralysis so that the condition of the tomach is not observed. Therapeutically the uthor ha not had certain results from the use of physostigmine puristallin sennatin etc in post-operati e paralysis of the intestines but in sev re cases he has had good results from hormonal Heat applied to the abdomen after operat on is to be recommended, but not in purulent peritonitis and not i the form of hot air cabinets because the high temperature affect the heart too much and the method is not without langer for nationts recently operated upo Cush ions heated by electricity are better as they have a good effect on the deep tissues but do not a duence the general condition

Eusterman G B. Chronic Gastric Dist rhances
Differential Di gnosis J Lunce 19 4 21
460 By Su g Cynec. & Obst

VI forms of bronic hyspepsia may be broadly lassified into three groups (1) functional (2) reik x and (1) organic The author chiefly discusses the chronic recurrent and painful or distress gt) per due to some lesson of the stomach and duod num or of contiguous organs associated with the digestive apparatus Chronic simple ulcers of the stomach and duodenum especially th latte has fairly definite symptomatology in 75 to 85 per ce t of cases thro icity periodicity of attacks altern ting with symptomiess intervils or remessions and hypersecretion are characteristic Pain is noted in 95 per cent of all cases Onset of pain d associated sympfairly definite relation to food int & toms hav Lood gi es relief in 6 per ce t Hæmorrhage perforat on or pylonic at nosis bt us it approximat ly 30 per cent of all cases Localized tendern as s of secondary diagnostic ipo tance nies per f ratt t ndenctes in ol ing the perit n um are thalyses of faces and g tri content are present valu ble if confirmatory of the cluse I find go The contigen ray and the laborators data re nd pe sable in at) pical urrigular or mixed cases Chinic I differentiation betwee gast it d duo denal lesson s often d ficult the forme the attacks re not as clear cut a 1 the d oden land pyloric type I leers will ab the myloric the imptoms may be present to lo ge periods or

there may be rem sations rather than intermissions small amounts of food give relief while increased amounts may provoke pain or distress. Soda re heves when food does not. Pan appearing in one half to one hour after meals is quite diagnostic of gastine lessons. Rediation and diffusemess of pa is considerably more extensive in the gustine than in the form of the common respective that the most common respective in the gustine than in the form of the common respective in the gustine that the most common respective and in the proposed by external influences. Location and radiation of pain to the left lessened motility and spass suggest peptic uleer. And values a a about so per cent less

gastre than in duode al types Refler gastre disturbances the result of gall bladder or appen disculbing and support of the symptoms are irregular during the period of attack. Consident of sease in these organs and the stomach or duodenum occurs in 70 per cent of all ulcer cases Mistaken diagnoses may be made n () befor at the diagnoses may be made n () befor at the stomach or duodenum occurs in 70 per cent of all ulcer cases.

ing duodenal ulcers the painful seizures mistaken

for cholelithiasis n to per cent of all cases (2) chronic gall bladder disease with o w thout stones absence of typical colic or icterus but periods of marked gastric disturbances (pain flatulency nau sea sour and bitter regurgitation) are occasionally mistaken for duodenal or g stric ulce ray find; gs are of the greatest valu in (1) cancerous lesions and hou glass defo mities and (2) in gastric There are radiologic limit tions in duodenal ulcers but proper correlation of clinical laborato y and r tgen ray data enables a safe diagnostic con clus on to be made in most cases Gastric ca cer follows chinically nd histopathologi ally upo ulcer in 6 per cent of all cases palpable mass is p esent in so per cent. In 48 per ce t of all ca cers free HCl was present although in redu ed amount Nincty five per cent of all gastric tumors (masses) are maligna t Many ext aneous conditions c use gastric disturbances chief among which re local or central nervous syphil cardiospasm Pott disease pane eat us hronic nephritis m gr ine myoc rdial

kocher T A Case of Volvolus of th Stomach
(En I all on Magen ol ul) De i k Ziscker f
Chi 9 4 cr 11 50
Externals f dge Chir
Kocher B S Zentralsh f dge Chir
Kocher B s a det led description d history of

insufficiency and hepatic disease

a case | Twilus of the stomach The 33 pear lid pattent had fired from tomach or mps 33 nd 33 pea bef each fibelast two ttacks asting 1 mo the A fourth ttack bega the spring of 0 3 nd at II perusted wh n th pattent we admit the to the hospital in November 0 3 \ \text{datg us was mad of tuke of the 1 m ho of the most like the standard of the 1 m ho of

threatening symptoms operation was performed with the diagnosis of volvulus of the sigmoid flexure On opening the abdomen the enormously distended stomach was seen in a vertical posit on and to the left also lying vert cally the transverse colon The greater curvature lay to the left the great dis tention of the stomach was chiefly caused by stretching of the anterior wall The stomach was twisted 270 degres. It was untwisted and the fi dings were as follows (1) Extreme ptosis to the syphysis () the duodenum ran upward and to the left so that the horizontal part stood almost ver tically because of the traction of the stomach on it (3) there was an hour glass stomach with a small cardiac sac (4) the loops of small intestine of the right side were displaced to the left over the pedicle of the alvulus

Because of severe symptoms of insufficiency of the larger sac of the stomach an inferior gastroenterostomy had to be performed five weeks later On this operation the stretching of the anterior wall of the stomach was explained. As a result of the ulce which had caused the hour glass stomach (and of congenital predisposit on) contraction of the posterior wall had taken place which had brought the greater curvature very close to the smaller curvature. In the second operation the m tkid hypertrophy of the stomach musculature caused a great deal of difficulty as the mucous mem b ne could hardly be brought together over it the defective elasticity of the opening caused renewed symptoms of retention so that nine days later Heinecke Mikulicz plastic operat on had to be performed After that the condition of the patie i was satisfactory

Twenty eight cases of pure volvulus of the stomach are known 18 of them were operated on and 7 of them showed hour glass stomachs condit on is an important factor in tiology the causation of the olvulus are over filing and ptosis of the stomach n this way the duodenum and pylorus mobilized and displaced the stom ach bec mes very movable and the lesser ome turn is stretched. If there is hou glass stoma h the already contracted place become still narrower the duode um lesser omentum and the small pouch of the stomach form the pedicle Another factor is the cont action of the posterior will of the tom h The immediate cause of the development of the volvulus is () increas d penstalais filer ant peristalsis (2) om t ng d (3) mechanical t si n after mo em t of the body because of th we ght of the dist nded and prolapsed toma h trauma of the abdomen a d n complicated cases t m s kocher d t ngu hes two types ns erse volvulus round the mesenteric axis and (b) v l ulus around the long axis of the stomach tself this bet g the m re unusual f rm dag oss f olvul of th stoma has thought of o e must as in all cases of ileus exclude perío 1 ve perito tis. Acute p nereat tis must also be con sidered \ tomach condit n is indicated by the

sudden extreme meteorism the appearance of a large circumstribed lympamilic tumor in the stoonach region and a change in the level of the fluid with a change in postion. Among the 28 cases mentioned above with 18 operations there was recovery in 13 cases. Several instructive slatches and photographs are given.

De Querrain F : The Diagnosis of Gastric and Duodenal Ulcer A S ! Phila , g A lx, 252 By Surg Ginec & Obst

The extent to which surgical operations for gastric ulcers may be successfully performed depends chiefly upon the physician's ability to diagnose. In the last decade progress has been made principally in the realm of extrapy lone gastne ulcer and ulcers of the duodenum 1 c cases which upless accidental bleeding or acute perforation set in have heretofore been regarded as gastralgus" and gastric neuroses and treated in various bath and nerve sanatariums In spate of the fact that an occasional ulter had been surgically treated before the introduc tion of the contgen rays nevertheless a definite and systematic plan of procedure could only become a genuine possibility after their introduction submit ting as it did the benefits of clear vision for uncertain conjectures and theoretical deductions Progress thus made has manufested stself not only by the ever increasing number of operations for gastric and duodensi ulters actually performed but also by the great number of published articles

Other benefits derived by 'x my tram nations even surpass the nda natages naturally obtained through diagnosis made no hord new The X ray enables the physician in a manner here for supossible to discover the causes of immediate post operative disturbances and the subsequit effects thereof and furthermore to exercise a cretain self-criticism formerly too often upplied by th internat which though sometimes ju t was too frequently lacking in any sure foundation.

too irequently facting in any sure soundation. The whose hays great stress on the taking of a sense of raid grams thus fixing the most important later the patient has taken a constituent and the later the patient has taken a goo grams of a sufficiently figured on hother the contrast mail—with upon the protograph are made—one in the uponght position one in the shlommal position and one in the right lat rill position. To and sur hours later photographs are taken i the abdominal position —less lireque thy in the uponght position hours lireque they not uponght position. The sileque they not uponght position in the uponght position in the stormach of the with the manufacture of the protograms are again taken after 22, 45 hours, and the stormach of the contrast of the protograms and the contrast of the contra

In non-stenosed and n n perio at ggastre era a localized spasso of the gastre wall is four 1 the site of the ulcers Thi localized spasm d 4 from the sometimes very nt nue contraction ttending perstallic wave, as a rule in that it consinct the stomach only along the greater curvature. The chief reason for this may be that the ulcers are most by satusted at the lesser curvature. A further data notice sign is, that in ulcer the spaces is slavly and the state of the state of the state of the things of the state of the state of the state to the state of the state of the state of the lound at different places even if it should concern the greater curvature more than the lesser

The spasm is not a lasting one. If the stomach is empty it is absent if material is introduced (even air) the spasm reappears but can be dissipated more of less by the use of atropine or papatering

When there are no ulcers the spasm may occur at the base of a creative after operation, or as the result of other anatomical anomolies, such as creatival bands or the pressure of coret's (widom). These spasms rarely interfere with the diagnosis.

The spassic condution is not found in all gasine ulcers. The author has seen many cases of prounding state ulcers in which the spass moder ordinary condutions of its appearance was wanting or searcely to be observed.

The non-stenosed and non-penetraling pylone ulcer is considered under this heading also. The retention of a considerable residue after six bours is of diagnostic value. The following purely functional distributioners may similate profess discribed.

tional disturbances may simulate pyloric ulcer
1 In purely functional diminished mobility especially in connection with plosis. In these cases the stomach shows a diminished peristalus

2 In p)lorospasm excited by an ulcer remote from the p)lorus. In penetrating ulcers at the lever curvature sometimes there is found considerable retardation in the removal of food from the gastine sect on attuated beyond the ulcer. This delay is due to a reflect pyloro nam.

a In the secalited disorderal monthly; to the untitally accidented and subcouncity handmally retarded tools go file stomach a dimunified tool go file stomach a dimunified sour resulte and an abnormal flower resulte as found whereas in pure pylorospasan the stomach also holds an abnormally large content after also holds an abnormally large content after two hours. The distinction of both conditions is easily made by an in avertification after two hours.

4 In torue pyloro pasm (in riphine nicotine ctc.) as a part of the phe menon of the gastro-pasm recently described by Holzknecht ad Lueger in it radiologic point of 188

5 In hyperacidity without ulcer

In apparent 6 hour residue with preserved or evil creased penstellars gives an essential indication but no real proof of the existence of a pyline ulcer

The author describes the non stenosed penetral ng ga tric ulter and gives the three possibilities for its formation

The ulcer m y he situated exactly at the lesser curvat re—tery seldom at the greate—and grad ually corrodes through all layers to the point of situamment of the gastrohepat chigam 1 Through prolifer to n and th cheming of its connet e cisse e the base of the ulcer may be continually made more compact without the necessary addition of other adhesions

2 The ulcer may come to the surface at another place and this may lead to the formation of fibrin and agglutination with adjacent organs. Into the adhesions thus formed the ulcer burrows deeper and deeper the adhesions, at the same time extending furthe and further

3 There may be formed an acute and greatly circumscribed perforation sometimes not larger than a pinhead When this appears in a not overfilled stomach and the quantity of escaping hquid is not large it reacts in the manner described under Group

With ulcers at the lesser curvature and its ad joining regions the particular & ray feature is the notch Although it may be a simple matter to discover the notch in typical cases, nevertheless care must be taken not to reach false conclusions The ulcer may be one looked easily particularly so if it be situated very near the cardia When examined the patient must be in an oblique position with the upper part of the trunk lying low and finally in the right lateral position. Doubts may arise from the presence of accidental gastric pouches caused by cer tain states of contraction e pecially by the bulging between two waves of contraction - one following close upon another A marked picture of a notch with a covered-over bubble of gas may be mistaken for the duodenal ampulla or stomach cap If doubt persists repeated examinations after atropine injection must be made

A symptom which greatly facilitates the diagnosis of the notch is the existence of a permanent contraction at the greater curvature at a point correspond g to the not h in question or even the picture of a

cicatrized hour glass stomach

When a penetrating uleer is so far distant from the lesser curvature that it cannot reach the right boundary line of the stomach shadow it is not demonstrable though the right putture in the anteroposterior view. But uch an uleer could be shown if after escuration of the stomach a shadow of cont ast ubstance should uppear at a curcum ribed unchangeable place. This is especially true of the control of the control of the control of the distribution of the property of the tomach hould finally be considered in view of the tomach hould finally

In stenosing gastine ulcer the roatgen examina tion has been an aid although the ulcer could be diagnosed without difficulty ven prior to the roat gen period. The author classifies the condition as follows.

1 Mediogastric at nosis

The following types of bipart t n of the gastric shadow may be mentioned 4 The purely pastic hour glass stomach which is found in connection with the superficial gastric

is found in connection with the superficial gastric ulc and penet ting ulce

b Th mixed hour glass stomach which is a combination of a circatricial co traction of the stomach with spastic constriction. In these cases the cusatricul to traction is not so pronounced as to substantially interfere with the permeability of the stomach. If such a case should appear however it would be due to the spastic component.

The creatment hour glass stomach in which through further and further contraction of the gastric wall in the region of the ulcer the lumen is finally narrowed to a minimum. A creatment hour glass stomach cannot be influenced by atro-

pine ; With the pyloric ulcer the problem is to recognize the stenosis as an anatomical one not caused by pylorospasm only and later if possible to differen tate the various forms of anatomical stenosis

The occurrence of the following symptoms tends

to prove the case to be one of organic stenous r. The clinical symptoms—special prominence of pain irregularity of the attacks, and short dura tion of the signs of retention—are characteristic of spasm but retention existing for a longer time gradually increasing with uniform troubles indicates organic narrowing

3 The time relations of the refension are important if half of the cont ast med remains after 6 hours it proves with certainty that there is a functional or an organic impediment. Only a 6 hour residue corresponding nearly to the entire contrast meal which would point toward a probable 24 hour time of expulsion is to be regarded with any degree of sumeness as an organic stenosis.

3 The action of atropine or papaverine on the spasm

4 The water test As Von Mening first showed water will pass the pylorus under conditions in which all solid food is held back by a pylone reflex.

5 The shape of the stomach on the whole remains normal in cases of purely functional stenoses.

In the non stenosed duodenal ulcer unequivocal, postive signs of duodenal ulcer are to be had neither in the anamess in the chinical findings nor in the onigen picture. With the symptoms of the periodical secondary pain after taking food often retarded a state of the state of t

Important as is the presence of blood it is, never theless not decisive f as many observer remark in actual ulcra blood is often absent or is only present intermittently. When after repeated examinations no blood is found another indication of ulcer is the sensit ness to pressure in the region.

mmediately at the right of the median line

The type of the gastric evacuation in duodenal
ulcer is as follows. At first the storm in duodenal

ulcer is as follows. At first the stomach empties quicker than normally so that after two or three

hours the whole or a least the largest part of its contents is found in the intestine and then descends comparatively quickly Toward the end emptying is often retarded so that on the other hand a 6 hour tesidue often remains. Despite this 6 hour residue. the contrast filing in the colon is said to have the contrast ming in the count is said to have pushed forward abnormally far as far as the pleanna ineals according to Jonas. The abnormally quick emptying is explained in the sense of a reflex in sufficiency of the pylorus. This duodenal modifies is by no means found in all cases of duodenal ulcer It is however also observed in other very different affections of the duodenal region. It is found according to Bergmann in hyperacidity without ulcer in the early stage of carcinoma of the body of the stomach and finally n those diseases which compete with the duodenal ulcer in differential diagnosis namely in diseases of the paneress and the gall-bladder. The duodenal motility is therefore but a sign awakening suspicion not a pathognomone symptom
A further peculianty is the exist nee of a shadow

in the bulbus duoden the stomach cap. This is regarded as in some degree characteristic of duodenal ulcer but its presence is so frequent an occurrence that the author would not lay stress upon it unless it shows a nucley tounded form or one that runs to

a point like a bood.

a point sate a most.

With reference to the diagnosts of disocienal ulcer
the suther states that when the answess and the
chimod condution underste the probability of an ulcer
chimod condution underste the probability of an ulcer
that the state of the state of the conduction of the
conduction of the state of the conduction of the
disorder of the state of the state of the
the ulcer a term yellery autated in the disordersum
The diagnosis of a patter ulcer is usually a positive
one that of the doubteau lucer of adaptons per oracle
sources. It consists on the positive side of a sum
ber of symptoms, some of which are of themselves
proof and which are important only because of their
relating to one another.

The stenosed ulcer may be readly inflerentated from the non stenosed type. The chyme normally passes the duodetum so quickly and in such small quantities that the routein pricture never shoss complete filling out or even a somewhat component there is an obstruction further sown accordance of the component of

is a very rare occurrence with duodenal ulcer Closely connected with diagnostics of ulcers are those of adhes ons Abnormal adhesions in olong the stomach can be anticipated from the following

three conditions
I An abnormal position of the pylorus the

stomach being but normally filled
2 The too slight displacement of the pylorus

upon examination in different positions of the body

3 From anomalies of the stomach n t othernue explained

England

Constitu

Mayo, W J Chronic Ulcers of the Stomuch and Duodenum 1 Surj Ph 1s 9 4 is a By Surg Gynec & Ohn

Duning the first period — 1893 to 1900 — at the St. Marry's Hospital operation for pylone obstruction was applied only to patients with marked pylone narrowing. In the chrome cases title differentiation was made between uters in the pylone cod of the stomach and those in the duodenum. The results were excellent.

The second period—spot to 1906—as marked by growth of knowledge the result of supraled be servation. During this period it was recognized that obstruction was a terminal condition and a study was commenced with a ver to the earlier termination of a malled which exposed the patient to across dangers and more or less constant do abulty and dattern. There was much discussion of mucous utleers and a variety of supposed lessors abults was only the result of a study of the second to the result of a study of the second pathologic basis for the symptoms complained of by the patient.

During the third period — 1906 to 1914 — there was great improvement in diagnosis and a better technique was developed. The relation of the chinical symptoms to the lesion was shown in the hight of operative expenence. Great and was obtained from the use of the rougen ray

infined rived the use of the reduced rely access of acuts and chrome ulters of the stemach and discharge and access and chrome ulters of the stemach and discharge access and access and access and access and access and access and access access and access access and access access and access access access and access access access a contract access the access the access access the access
The character of wheers of the dundenum may diffe in many respects from univers of the anomand. They are usually found in the upper two makes of the dundenum and anomals, but rather discolored moth eater patch, at the exister of whit is as the pertonnel and minerally costs. Incomplete proceedings of the period in the period of the perio

ss and appendices disease
Gestrojejanstomy a the most gene lly usef l
operation Ulcers ab uld be xessed who the
oper ton can be done without too much nak
Dude al and gastric ulcers obstruct ag th p lorus

yield equally good results following operation The greater the distance of the gastic uleer from the pilonis the greater the distance of the gastic uleer from the pilonis the greater the mortality and the less cer tain the curv. Unset; eight per cent of doudenal uleers and minety five per cent of gastic uleers will be curved or greatly rules of thy operation. The greatly rules of the operation of the gastic uleers will expend the performance of the gastic uleers including acute perforations acute hypographage resections, etc. § 8 per cent

Mathieu \ Stud es on the Pathology of Licer Under of the Lesser Gurnature (Etudes ur la pathologie de l leus L leu de l pet le ur bure) Ga d hôp t mult 1914 lexeu 45 By Zentralbi f d g. Ch. Grenageb

The vessel a directe of the toma hopen on the lesser curvature it is the hulm of the sit much To this fact | due a number of the symptoms of udier of the lesser curvature. Houst a third of the ulcers of the stomach are on the lesser curvature about half of them on the plottus. The pure symptom complex of ulcer of the lesser urature is shown only in cases where it is at a distance from the plotus it does not make any differ ce whether it e tends more of less over the anterior or peather is te tends more of less over the anterior or peather surface of the stoma h. That point becomes of importance only when it is a priorating ulcer.

Uncer of the lesser curvature also gives the general symptoms and complications of other ulcers of the stomach. The only one that 1 pe ultar to it the tendency to form large tumors (gant ulce) which often arise comparate dy unnoticed because they do not cause stenous. Characterisation ulker of the lesser curvature are the cry see ere at cubbor pains which result on the mornal affect of the contraction of the

disappear except for rd nary dyspepsia The lat pains stopped by alkalie or food characteristic of ulce of th pyloru ppear also in ulcer of the lesse urvature b t much more rarely than in ul er of the pylorus Hyperchlor hydria appears regula ly hypersecret on ery regularly rete to almost ne er occurs. The nosis A consta t drawing in of the greate curva ulc r opposte t \ ches or ture indicat the l ser cur ature are sur signs of diverticula perforation of n ul r generally 1 t the pancreas In the same case the piture of the di rt culum may cha ge extraordinaril merous figure n the text illustrate the

In cases of saddle haped 1 fth lesser cu ature in which cicatric 1 ont act on h s brought the pyloric end fth t mach ne to th cardiac e d the stomach looks short and has slightly con obtted or t rs— so 1 stomach

The cases of grant ulce with pronounced tumo f rmation are ery difficult to d agnose because of their similarity to i moma. The different at in

can often be made in such cases only by exploratory laparotomy

The dagnoss of the location of an uker of the stomach is generally not very, did cult as an uker of the pylorus has very characteristic symptoms but it is offen dishcult to distinguish hetween uker of the lesser curvature and uker of the duodenum because neither shows ugas of stenosis. The differential dagnosis between carcinoms and uker may often be made from the fact that the history of the carcinoms does not catend back longer than of the control of the carcinoms down in the control of the carcinoms down in the carcinoms down and the case of the cas

The author discusses tradinent cry brefly wedical treatment seldom brings rece or put oft in there is a parent recovery for a co-siderable length of time. Surgical treatment in ection as well as gastro enterusiony may cause complete rece or y anatomical as well as finctional Castro enterostomy with a large opening as it allows di range of the stomach frequently causes complete disappearance of all pain and impro ement in the gene al condition.

Heyronaly H Experience with Licer of the Lesser
Curv ture (Friah ngen ber das Ulr s an de
kleme k ry tur) York dl d Gesell ich d uir k
Val f Å zl 0 4 0 30
By Zentralbi f d ges Chur u Grenzgeh

Heyroxsky discusses the results obtained in agor cases of operation for user of the stomath, 74 of them for callous user of the lesser curvature and agrees with Hechenegg in the befeet that gastro-enteroatomy is the best method for treating the majority of users. Extrapplone users a simost as successfully treated by gastro-enteroatomy as user of the pylorus. Resection, which is more dangerous of the pylorus. Resection, which is more designous of the pylorus Resection, which is more designed and have a supplementation of the pylorus and the cases where each other section with a median cases where the supplementation with a table diet has not brought but the cure.

Friedman J C and Hamburger W W Experimental Chronic Gastric Ulcer a Second Contribution to the Experimental Pathology of th Stomach J 4m U A 9 4 km 350 By Sug Gynce & Obst

Acute ulcer of the stomach has been produced a vanous ways us by myetting vanous beatens intra enough by feding bacteras by myetting certa a tossin such as diphtients antiton local by by ujecting certain irritants into the walls of the stomach mechanically by carning prices of mu coas, (ying off gastric arteries r njecting vanous ulcers by the dispersion of the same ways the state of the same ways the same t

The method used consisted in causi g a stenosis

of the pylorus and the formation of an acute ulcer in dogs by injecting silver natrate into the wall of the stomach The results of the stenosis were marked pensialsis hyperacidity and stasss. In most of the cases where necropay showed dilatation and hypertrophy of the stomach walls, one or more chronic ulcers were present

The sumplest interpretation of these would be as follows Acute ulcers tend to remain unhealed and exposed to the action of a very active gastric juice for an abnormally long period and possibly the delay in healing is greater if the food and eastric suce are ground against the ulcurs with unusual violence from hyperperistal is Consequently at least three factors are nece sary for the production of chropic please as animals (1) a local destruction of the mucosa (2) an active or overactive gastric juice and (1) prolonged or vigorous contact of the two - hyperpen talsis

The location of a chronic ulter is usually near the pylorus Ulcers of the fundus tend to heal probably because peristaltic action is less in this part of the stomach and also there is less acidity or there mave cabealkalkahnits In ther near the pylorus saubjected to marked peristals a often hyperperistal

sis and many times an overactive gastric juice I II SEULE

on Fiselsberg F Th Choice of the M thad of Operation in the Treatment of Gastric and Duodenal Licer Lauce Lond. et Land. 914 | st st. By 5 rg G) nec & Obst.

Gastro enterostomy has come to be considered the operation most frequently attend d with benefit cial results in gastric ulter but its benefits are not manufest in all cases in persistent ulcer especially

its cures are not so numerous

From an analysis f 334 gratro-enterestomies for this condition several interesting points are brought out viz that olders situated at a distance from the pylorus are not so much influ nord by gastroenterestomy a those satuated at the pylorus that the most frequent cause of the failure of the onera tion to cure is the de elopment of a post-ope ative peptic ulcer of the jejunum that f 41 patients who died a lo g time after the operation, 13 died of carcinoma and 6 through the progressive contin

uance of the symptoms of the ulcer Peptic ulce appears to be assed by the continuous passage of acid gastric juice into the duode aum causing the mucous membrane to become eroded. In the less set re forms the symptoms take the form of simple pains and in these cases repair on the part of the organism can bring about a cure In these cases of spontaneous cure contraction and stricture of the gastro-enterestomy area sometimes occur resulting in a shrinki g of the opening to one third its normal size I 17 cases of peptic alcer the chief symptom was the development of a painful induration n the region of the gastro nter ostomy fistula. In 15 instances diagnosis was con

firmed by subsequent relaparotomy Either another gastro-cuterostomy jejunostomy or finally an excision of the whole ulcer was done at the ensuing operation. The results show that the growth of a peptic ulcer presents a very serious complication even repeated operations are useless and many have at last succumbed to the peptic ulcer Inquiry into the cause of this condition shows that a high hydro chloric value of the gastric juice must be mentioned first. In some cases the nationt has had vescular disease Care in the after treatment of cases may go for a the prevention of peptic ulcer but for those cases already declared excusion to the best treat ment as in the experience of the author neither gastro enterostomy nor rejunostomy are sufficient in themselves and in many cases both operations combined are fine avail.

Of 53 cases operated by excusion q died, 41 were cured one improved and afterwards related and a were unrelieved. In a series of 21 cases where rejunostomy alone was performed 12 deaths oc curred but this high mortality was due to the fact that the operation was performed in the weakest and worst of all cases, so omplicated that nothing else was possible

You kuelsberg a expenence permuts him to lay down the following rules for the choice of method of operation

I or acute perforation the best method is the earliest possible laparotomy with irrigation of the perstoneal cavity and closure of the perforation I hether a gastro-enterostomy should be done after wards depends on the situation of the ulcer and the general condition of the patient. In hemorrhage, operation is not indicated. If hamorrhage is severe the expectant treatment is the best but if it has stopped for the time being an operation should be performed at once before it recommences.

s In typical stenosis of the pylorus, gastronterestomy is the operation of choice although it is not a complete protection against continuance of the hamorrhage as early half of the deaths fol lowing gastro enterestomy are due to that cause However, 60 per cent of cases of pylone stricture are completely cured by this operatio

3 Un lateral pylorus exclusion should receive especial consideration if the ulcer is still fresh and causing much pain and in cases of duodenal ulcer
4 High actuity of the gastric juice favori g the development of post operative pept c ulcers detract much from the value of gastro-ent rostomy and exclusion and should be performed only where there are pecual indications, and not in cases where

the symptoms are not severe

s In cases of ulce satuated at that nee from the p) lorus, transverse resects n offers the best results, and it must be done when ther s the least suspiction of mahmanco it is a also the correct suspiction of mahmanco it is a also the correct operation where there is inglooming organs. When the ulcer h s invaded in ighooming organs. t ans erse resection ca not be do e Billroth a method No. 2 should be employed Billroth

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method to I be third in order to be considered while partial excision is to be entirely rejected 7 Jejunostomy is feasible only in the extreme cases—as when the patient is so weak that he must

be fed immediately after operation. In cases of peptic ulcer it is the easiest and most rapid of all operations and it leaves the stomach undisturbed

The technique of gastro-enterostomy as practiced in you Eiselsberg's clinic is that after the method of Hacker 1 e retrocolica posterior without any length of bowel between the stomach and sesumum. The suturing is done after the manner of Wolfler Atten tion is called to the importance of properly suturing the sht in the mesocolon In pylorus exclusion the stomach is divided between two clamps by a Paque hn cautery and both proximal and distal ends are closed with a continuous suture while the clamps are on When a transverse resection is being done it is necessary to supplement the longitudinal incision in the abdominal wall with a trans erse one in order to provide sufficient room. In doing a jejunostomy the principle of Witzelschen is followed and one point is especially emphasized e g that the catheter should not be introduced into the intestine at any point lying higher in the abdomen than the umbilious otherwise it might lead to a kinking of the intestinal loop E K A warao C

Beck, C. Plastic Operative Methods on the Stom ach Md Her ld to 4 xxxx 5
By Surg G nec & Obst

In 1904 and 190 the author mad some experi ments with Mexis Carrel to perform an operation with the intention of making a new route ir m the phary nx into the stomach The upper part f th s new tube was made from the exophagus which was cut across two to three inches below the jugulum The lower p t of the new tube was ga ned from a flap alongs de the large ureat re of the stomach These two tubes were mited und r th sk n of the chest and healed t gether. The pecim as from the e periment we e demonst ated in 100 before the Chicago Medical Society Sinc that time the Roumanian author Jian has lescribed the same operation n 1004 and it has been known a the literature und r h n me Lately the autho bas re ersed the fl p of the large curvature in his experiments and inst ad of tu ning it upw rd to reach the asophagu turned it downward to insert it into the jejunum. Thi makes es method of gastro intestinal anastomo

Stewart F T AM thod of Subtotal Gastreet my 1 5 g Phil 8 4 By Surg Gynec. & Obst.

Stew rt lescribes in thost if procedur used ly hm fo dot g btot I ga treet my w tho t clamps a 1 do u h w y that the sut ring necessary t u te th tomach and ntests completed before the rec as is opened

The time th price are follow

2 Ligate gastine artery at upper end of the proposed line of section of stomach

2 Tie off the gastrohenatic omentum 3 Legate the left gastro-epiploic artery one-half inch on each side of proposed line of section of

Tie off gastrohepatic omentum

Make opening in transverse mesocolon and draw the upper segment of the jejunum into the lesser peritoneal cavity. Five guide sutures are in serted in the following locations

The first (A) is passed through the greater curva ture midway between ligatures of the gastroepiploic art ry and the antemesentene border of the jejunum The second (B) unites the posterior wall of the stomach about 3 inches above A to the jejunum Suture C is passed through the posterior wall of the stomach alone about one inch above B B and C are placed on the line through which the stomach is to be amputated Sutures correspond ing in location to B and C are placed on the anterior wall of the stomach (D and E) \us drawn upward and to the right B and D are drawn downward and to the left and held together C and E are treated blewise leaving the upper segment of the sesumum surrounded by stomach and the anterior and posterior walls of the stomach between BD and CE in contact

A seroserous suture is introduced from BD to A unit ing the stomach to the intestine (linen) Over thi is introduced a through and through catgut suture

Grasp the greater curvature of stomach one half inch from 1 fill the lesser pentoneal cavity with gauze Excise the antemesenteric portion of the ate time and incise the stomach close to the suture bne Then allow the stomach to straighten out place clamp on the pyloric side of line of the section Complete the amputat on after approximating the anterior and posterior walls. Remove the pylone

port on of stomach and in crt the duodenal stump The ad antages of the operation are The e is less cutting to be done it is more

and and less difficult than a posterior gastroenterostomy 2 There is less chance of post-operative harmon

rhage 3 There are no clamps in the way

4 Ther 1 less t as on on the suture lines and there is less tend ncy to kink ISIDORE CORN

Martin F., and Carroll II What Role Does Gastro Enterostomy Play in the Treatment of Gastric and D odenal Ulcers? Radiographic Demon tration of th Functioning of the Pylorus following Gastro-Interestomy 1/4 J 0 4 l 185 By Surg Gange 2 Oles By Surg Cynec. & Obst.

The article consists of the report of a very interest ing case observations on conditions found and gastro-c terostomy in general together with a discussion of a series of A ray negatives showing the cond tion of the pylorus after gastro-enterostomy

The patient was operated on three times. Th

first operation was for gastric ulcer when a posterior abastomosis was done to the lower part of the ileum the second was exploratory and the third was a correction of the results of the first operation

The patient a past history family history and habits were negative. Former symptoms were those of pain in the epigastrium an hour after meals relieved by food vomiting of blood and constina tion which followed a year of bad indigestion The first operation resulted in relief for a short time but the former symptoms returned and were more pronounced Also at times, practically an entire meal of almost unchanged food was obtained with high enema There was some retention of stomach contents but no blood and no tumor At the second operation a mass of adhesions around the anastomosis use found and it was also found that the terminal ileum had been anastomosed to the stomach posteriorly The patient being in poor condition, the appendix was removed and the abdomen closed At the third operation the anastomosis was severed a lateral appatomosis made in the terminal ileum with a Murphy button and the stomain the stomach invaginated The immediate recovery was good Later observations show that, aside from constina tion the 81 mptoms all disappeared and have never

returned In this case at the time of the second operation stomach penstals a which progressed thythmically to the pylorus in spite of the large stoma was plainly shown This explains the question of the nourish ment being kept up and the occasional undigested

meal appearing in the stools The authors then take up the question of the results of gustro-enterostomy in ulcer cases and show that fully 45 per cent of cases ha e recurr d

Barclay is quoted on the etiology of the ulcer showing how from various abnormal conditions in the intestinal canal, a spasm of the stomach ensues I assage of food causes an abrasion giving rise to a condition that cannot resist the gastric ruice and an ulcer is formed which in time perpetuates the spatm

Gastro enterostomy influences only pylonic and duodenal ulcers and that in two ways () sidetracking the gastra contents and () permits g the reflux of liabne intestinal puice to neutralize the acid gastric juice. This has no effect on ulcers located in the fundua lesser curvature or elsewhere The results of gastro enterestomy done for stricture of the pylorus due to tumor or overgrowth are the same as those done for pylonic or duodenal ulcer

The idea that gastro ente ostomy is a drainage operation pure and simple is shown to be a fallacy as long as the pylorus is patent. The hydrostatic conditio s in the abdominal cavity absolutely pre vent this As soon as the p3 loric spasm is removed by the healing of the ulcer the gastric contents follow their former normal course and the old ulcer site is

again open to trauma Martin therefore concludes that (1) gustro-e ter ostomies are useful only in pylonic and duodenal

ulcers accompanied by pylonic spasm (2) are of no value in ulcers minated in other places in the stomach (1) when the pylone spasm relaxes the artificial stoma closes and there is present a tendency

towards reformation of the picer

The high percentage of recurrences, the senous and ever present complications and the fact that o per cent of cancer cases give previous ulcer histories, Martin beheves warrants the excision of the ulcer and also indicates the operation of pylorectomy which he strongly advocates. He does not beheve at the operations of pylone occlusion nor the method of you Esselsberg.

The article concludes with a short discussion by Carroll of a series of six A ray studies showing that, given a patent pylorus the gastric contents will flow through the natural channels rather than the

artificial In every series a bismuth shadow is seen in the

duodenum the amount depending upon whether the picture was an early o a late one PRILLIPS M. CHARR

Bastjer F II., and Friedenwald J On the Diagnosis of Incomplete Forms of Pylone Straods by Means of the X Ray Bases H STS J 9 4 thm, 351 By Sung Cyare 2 Oht

The authors point out the difficulty of disgnosis in early pylonic stenosis and show the value of the Lay negative in such conditions

lone stenous can be divided into two classes (1) those cases with pronounced symptoms and (2) those in which the symptoms of retention and stagnation are only slight although both classes are often only stages of the disease in the same case

The diagnosis of the first class from symptoms and test meals is usually easy while those of the second class are often overlooked or an incorrect diagnosis made

In the latter class peristalsis is usually absent, comming pregular and devoid of the usual features of gastric stasis, and pain not marked. The pain when present appears two or three hours aft r meals and is temporarily relieved by food or allalies Another marked symptom is the presence of gastric secretion in the fasting stomach on repeated examinations and this symptom s six ye adicative of p) lone stenosus

The motility of the normal stomach varies gre t is and the best a thorntes have greed that the

normal rate should be between three and six hours The authors advise a bismuth meal of one and half ounces of bismuth a bearbonate in an ordinary tumbler of water with enough scame t make an emulsion as the best for X ray work

When there are obstructions w th a the stomach. caused either by malignancy around the pylorus, or ulcer with cicatrix or idiopathic pylone thicken ing in the early stages, the A ray shows active contractions but a slow elimination of the contents and frequently a slight bulgs g in the prepylone

region on the greater curvature caused by the food being forced into this region faster than the impaired pijorus can handle it. The size of this bulgings depends on the duration of the condition. Sonicitings it is only slight but more often the pijorus is shown on top of the stomach pointing towards the splenic region.

When there are obstructions from without the stomach caused by a mass or growth pressing upon the pyloris or duodenum or adhesions around this area the first condition is soon cleared up by palpa tion or by the \(^1\) ray plate. The second is the most common type the most frequent cause of which is adhesions around the appendix and crecum involving the omentum which in turn draws the greater curvature of the stomach down preventing a normal emptying of the contents. The \(^1\) ray shows the preplone region drawn down to the appendix region

Adhesions from the gall bladder region so bind down the pylorus and duodenum that the stomach contents are very slowly forced through the nar rowed lumen resulting in a gradual stomach dilation

Retention from muscular relaxation is caused by sleggish contractions so that the mere weight of the food dilates the stomach. The point of greatest prolapse is the center of the fundus. It is difficult to distinguish this condition from that due to pylone stenous of long st nding but a comparison of the two \ ray plates will assist greatly a the differentia

In conclusion the authors state that the \ ray is a very aluable and in partial pylone stenows in those cases in which the trouble is from within it especially valuable in cases where the obstructions from without and emphasize the importance of \(\lambda\) resummations always being tudied in conjunction wit the climical signs

PRILLIPS M CRASE

Cole L G Relation of Lesion of the Small Intest ne to D sorders of the Stomach and Cap as Observed Rontgenologically 4m J M Sc 9 4 cxl ui 9 By Surg Gynec & Obst

Cole undertakes to pro e that thue stasss and particul rly that dilatation are directly r lated to and responsible for certain pasms and even organic lesions of th pilorus pilorus spinete and cap One is at once reminded of Lame and in his paper the author refers to the theories of Lame and the ro tgenologie work of Jorda.

to (genegic work or a jornal or complete exam Gole has subjected you case to a complete exam Gole has subjected you case to a complete exam technique which consists in the administration of bismuth or bannium in buttermili, in co junction with a Riegel meal of meat potatoes and bread, with toxingorapshy ten hours later and at subsequent intervals until the colon is evacuated. This is supplemented by an examination of the gas bladder dynna. He repe ts has previous contention than testing gastire motor effice or samply by administ testing gastire motor effice or samply by administ testing gastire motor effice or samply by administ more consistent or sample o tering bismuth in fluid or cereal is a fullacy. An even more fertile source of error he thinks is dating the period of iliac retention from the time of ingestion and holds that time required for evacuation of the stomach should be deducted for accuracy.

In spasm of the pars pylonca that portion of the gastric kume is disproportion telly reduced in size and corrugated. Spasm of the sphinnter may be inferred if the sphinnter lumen and cap is not visualized if bismuth has been seen passing freely from the stomach previously and subsequently. In spasm of the cap the bulb shows the appearance of having been twisted or wrung empty of its contents. Long-continued spasm may result in permanent changes causing contraction of the measurer cost of the pars pylonca or distortion of the cap similar to the changes resulting from post pylonc uler.

Ret atton in the stomach and cap may be due to inhibition of duodenal persistass and this subhibition may be the result of like dislatation. Rontgenologic evidence indicates that like stass or rather dilatation may be caused by (1) Incomplete exacustion or feeral impaction in the occum or ascending colon (2) membranes and veils involving the colon lateral (3) embranes and veils involving the colon lateral (4) chronic appendiction. These are discussed area in the colonial colonial transfer of the decarding the colonial transfer of the decarding transfer of th

Gray F D 1 Some Observations on the Techn que of Intestinal Anastomous, with Special Refer ence to a Modified Maunsell Method T Am At Obst & Grace Buff to 1914, Sept

By Surg Gynec. & Obst The uthor after briefly referring to the history

of intestinal anastomosis in which he shows that modern methods of anastomosis wer vaguely forecasted by efforts of operators in the middle ages gives a skeleton outline of the principal anestes of technique practiced within the past forty years—the modern period

He then at ter what in his opinion are the essential requirements of a sound and generally applicable method of anatomous and a secure a ter tight joint to be made as rapidly as safety will permit and adaptable to adversally as safety viall permit and adaptable to adversal was need as fluorable surrounds g abot to the various varieties of anatomous—end to end end to-order and lateral—pro-ding hemostass in the cer intesting edges and leaving as little narrowing of the lumen by flange formation as possible.

Based on these requirements all mechanical aids or devices re ruled out a d the all suture tech inque of some sort advised

A discussion of the ments f anast mosis by a double or single through and through row of sutures follows, with co clusions in favor of the single row

Connell s method is then compared with that of Maunsell s, which has practically become obsolete but which the author believes could be profitably re twed with the substitution of a continuous locking or buttonhole suture of laginstecher thread to replace the interrupted sutures advised by Maunsell and still described in textbooks

The interrutted sutures are open to several objetion which are obviated by the use of the continuous locking statch which as a plied to the invagination method of Maunedl has in eight recent case appeared to the author to furni h a quite ideal method of anastomosi

Reder F: Remarks on the Surgery of the Heo cascal Coll S g G n c 5 05; 914; 96 By Surg Cynec & Obst

Reder maintains that the early liaguous of an intestinal lesion especially those f a c necrous a tuberrulous ise on a seamula to the anticipation of a successful surgical invasion. Too often such lesions are interpreted as chronic appendically colitis or intestinal indigestion.

Such a diagnostic error often loses for the surgon good opportunities negative justimencing the result. From the author's e-pe sence he belt vercetty resection of the slocated coil should receive the most guarded consideration no matter how favorable the cond-tion of the patient. Every dement of danger should be eliminated and every later for digitly should be mobiled in the technique

In his last two deocarcal resertions Red r has in stituted a modified artificial anus with a happy result. If techniq e is as follo s

The dr 1 non f the decum should be uch a to gat the box 1 the mecsara lattitude to be brought with out tenson is contact with the old to the property has been been as the state of the state of sleam should be sacrificed. The shold the olon is closed in the accepted manne. The soft the identity closed importantly with a basing it it has a to knowl the state of the state of the sleam of the should be stated to the state of the sleam of the state of the instance of the sleam of the sl

Valeral nat most than pring not less than three inch si made with the col. The end of the real tend of the real tend in secure to the abdominal wall is far lat lly a sposs bith tay future displace not fith g try be to spatial.

Mit 1th mato was completed the free and of the ileum of an ust of it to bil m and stured to the pant tal pent in m fith wo add not appear to make true way from a vit in might be liable to get c ught at the post of fantion. The abdominal with and of well if a more not attack the state of the

The basing at 1 h n th il um is removed and a laul a tube inserted t irain of facal matter and fatius. The opening t the mall intestin is of service for irrigation of the small how I when necessary. The large bone! n be irrigated through a modified Paul tube.

It requires about fiv to eight weeks f the ideal opening to close to operate e measures of any rick are necessary to aid in its oblite ation

Case J T Routgen Examination of the Appendix

Case believes that the rarity of rontgepograms of the appendix has been because of the frequency with which the bismuth examination has been made in the erect rather than the reclining position. With the patient reclining on his back the tube under neath and the screen above and the cacum held aside with the gloved hand or a wood instrument Case has shown the appendix in more than 100 cases In one wines of 827 bismuth meal examinations, the appendix had been removed from 64 patients Of the remaining 63 the appen lix was demonstrated in 2 3 7 just one-third apparently a high percentage until it is recalled that patients were examined because f ga tro-intestinal symptoms. In a ma-jority oustipation was prominent When the shad w can be demonstrated at as possible to study the size and length of the lumen presence or ab-(em; tying time) relation of the visible appendix hadou to pressure pain point and the postion, proce al or retrocecal etc.

It least one examination should be made sufficiently I ng after the bismuth meal that the ileum may be empty as a thin shadow remaining in the terminal il um m y be mistaken i r the appendix It is to be presumed that when the appendix nds stself promptly of the bismuth contents the fact of the entry may be of bittle consequence but when the appendix remains visible for more than a day or to it is, in proportion to is poor drainage dangerous In connection with the suggestion that perhaps, in the cases the presence of the bismuth might be a menace to health an inquiry was made as to the fat f th rapeutic doses of bismuth. In the esminat n of the who were being gi in hom this fifteen grain dows for acute gastro intestinal disease bismuth was found in the appendix in every east. In one as it was fund on the nineteenth day after the last dose of bamuth. The conclusion seems warranted that the danger of b smath entering the append a and by rem ining th re causing scute appendicit is of greater when gi en for \-ray examinat n than when given therape t cally Lven wh n the appe d x is not shown the \ray gi es definite inf mation as to h ther or not a tender area coincides with the shado f the lower D R BONES unne border of the cacum

Gunn J 1 ad Whitelocke, R II A Observation on th Movements of the look ced if man Vermiform Appendix. B 1 J S C 94 9 B Surg Cyne. & Obs.

It is a will kno n fart that several of the organs of mammals may be removed a dispt? I funded time in usony genated Lock soft ton without showing a y movements whatever H weren't the solutions is rused to the body temperat cod ony genated the organs all show hy time on tractions. Working along the sam has thee w

thors studied the movement of the isolated human vermiform appendix

The method used was to keep the appendix in Locke s solution until the experiment was to take place. The appendix was then su pended in a bath of Locke is solution at a temperature of 31 to 35 C who no seen bubbling through it. The appendix was suspended between two books the lower of thread to a lever recorded the contractions of the longitudinal music of the appendix.

It was found that the appendix normally shows thy thmic contractions very similar to the contractions of the enervated colon of the dog that is regular strong contractions lasting from 10 to 2 seconds each Supermposed on these large contractions may be seen smaller ones not very regular but having an indi-judial duration of 2 to 3 seconds.

Examination of the rabbit a appendix in Jocke a solution aboves a cur-se of contractions very similar to that obtained from the human appendix Examination of the movements of the rabbit a appendix is a fur given a similar result to that in Jocke a solution it seems far to assume therefore that the non-timents of the human appendix which are solution are those which of the product of the produc

In attempt was made to discover the innervation of the appendix As is will known the large in testine has a double nerve supply (1) splanchnic r ympathetic nerves nd (2) the pel 1c visceral or parasympathetic nerv. These two groups or parasympathetic ners ha e antagonistic functions the former by d min ishing the tone and abolishing the rhythmic con tractions, the latter by ncreasing the tone and aug menting the hythmic movements. By the addition of adrenine to the Locke solution the con tractions ceased and the appendix relaxed the addition of pilocarpine to the solution the ton was increased a d also the contractions. From this experime t it may be assumed that the innervation of the ppendix is similar to that f the large inte tune I II SLILES

tine J Il Sailes

Mort S. Gangrenou Appendicit with Copro
I th Abacess Septi Peritonius, Intestinal

Obstru tion Rupture of Intestin and Fistula

G g 3f J 9 4 hxxxx 85

B burg G ec & Obst

The author r port an teresting case of appendic tits which was compli ted by testinal obstruction and pent nit. The p tie t boy of 15 was seld, there d 35 bef re oper tion. When the abdomen was ope ed p 5 poured ut. The ppendix was found to be gangremous the whole organ being swollin the dust 1 portion was dist nded by a copprolish the use of small date seed. V portion of the oment m wa removed bec use of gangrene. The was und was dismetered packed and drained.

The prient progressed nicely for the day when complications set in The temperature rose to og and the pulse reached 14. Two days later there were signs of peritonitis the temperature dropping to 97° and the pulse rising to 140 At operation a median incision was made and pulse. flowed from the wound The pus was located in the rectal fascia. On opening the peritoneum a small amount of ascitic fluid escaped The intestines were inflamed and matted and between the coils there were sacculated collections of pus Most of the costs were distended but on the right side there was a collapsed and flaccid small intestine one loop of which had fallen into the true pelvis. A hand of omentum was found passing round and tightly gripping the loop of gut When the omentum was removed a rupture two inches in length was found in the intestine. The opening was closed by continuous Lembert sill suture and the peritoneal cav ity was well packed with dry iodoform gauze

For four days the patient did not improve The intestine was opened again and the contents poured abundantly from the upper part of the wound. The patient then began to improve The fistula closed in twenty two days and a month later he was discharged cured

EDWARD L CORNEL.

Bainbridg W S Operat ve F ndings in Twelve Cases of Chronic Intestinal Stasss I I in its Obs & G Buff to 9 4 S pt By Surg Gynec & Obst

The one important part of the output of grust from the mull of controversy and discussion which had been built up around the theories of Sir W. Arbuth not Lane concerning chronic intestinal status, was the stablishment of the facts of the ensience of the advent tous unitra abdominal structures evolution by bands and of the condition of stasss which they cause fround these two facts has developed some very creditable wo k by different investigators but there still remain certain questions to be gettled

It is import nt to study the human digestrie canal as a great draining 53 tem and to consider this system as a whole emembering that defects in one or more parts to pt to derange the entire plant

The author presented a series of cases as illustrat ons of the following points

The possibility of making the diagnosis of chronic intestinal stasis by clinical examination

alone without the aid of \ray o fluoroscopic study
The venfication of the diagnosis by the dis
covery at operation of the bands and the links
3 The discovery in certa n instances of condi-

tions which may be interpreted as corroborati e e adence of the correctness of Lane's theory regard ag the possible remote effects of chronic intestinal stass.

kohn H. Multiple D verticula of the Large In testin (Uber di multiplen D rukel des Dick darms)

Bol H B kn k o 4 h 031

By Zentralbl. f d. ges. Chr u 1. Grenzgeb

The author first discusses the scanty historical data avail ble in regard to this interesting and little known disease and then takes up the chinical picture

adhesions

the timeral agantican or discritization of the large intestine is, in stell slaghts but very savere complications may result from it such as stass of faces, decomposition of the intestinal contents in it e diverticals supportation and perforation generally not more be abdominated early but into the mesosymmotion of the subcommand early but into the mesosymmotion of the subcommand and that consect fluors are formed in the intended all that consect fluors are formed in the intended all that consect fluors are formed in the intended all that consect fluors are formed in the intended all that consect fluors are formed in the intended all that consect fluors are formed in the intended all that consects are formed in the intended all that consects are formed in the intended and in

Three cases are described in men from \$6\$ to 6 years of age. "In ce a shappons of appends it is was made and operation performed follow at time instead to be a second to the second the s

He discusses the chagnons based on these the cases and points out that in ¬1 lubrid case of intestinal disease this combition should be thought of The fact that the lease is lound almost a closs-city in means du. be thanks to the fact that the hadronist passure no all women is afget with the abdominal passure no all women is afget with the men in connecti in a thin peri tables and it for loop-must of gas the per un erither daten is the essel and it he opening of the session or carriers additional to the contract of the c

Mayo, W. J. R section of the First Porti n of the Large Intestin and the Resulting Effect on Its Function J for M 1 o a lk 445 By lung 1 year & fibet

Variation in the positic of abd equal seca within limits hould not be asslered I normal The large ant stan with its bort hired t and changing fun to has les fix dicharacterus than the more primit amali intestine. The iro imal half of the large niest n ha an important assimila to e function being closely related imbrook go ills and funct onally to the national state The f no tun of the dat I half I the large intestine a mainly storage It s probable th t the past too much important has be attributed to purely 1 ad atal hanges in the position and it chim ats fithe large intestine thus go 1 g more or less normal ban is. Links, and adbruon a fi tit rôle in th sut posed production of sympt m

By the ca um is me at the head of th cion reacceoint it a um testle hean eath from \(\) to such test leng eath from \(\) to such test leng eath from \(\) to such test length \(\) that is most important function in assumitation R assuming from askery probably the functional acti inty of the rio male hall of the large included action in the carmo or a length of the large in the length of the large in the length of the large in t

products, thrown into the large intestine may be absorbed with deleterious effects, disturbing the metabolic balance

Maini and others object to the term automatication and propose to substitute subsection. Intolated an and propose to substitute subsection. It has not been sho in that all of the tour products are due to ur! croin a parently some are exemially chemical. Glandular secretion of the control of the proposition of the pr

Taken issue in the 9000 Commenting on the physiologic basis of Lan s joneer work the author states that decolosions i som time unassist (tory on account of the alli g of the blind end due to reversed perstalas. Complete coloriomy is a seri us operation on account of in all of the entire omentum which subsequently may give its to extensive itroblesome intestinal

Remo al of tea inches of the ileum cecum scending rolon hepatic flexure and a portion of the transtense colon is a satulatory operation Cases are rize in which such an operation is indicated. The enture subject is in the experimental

stage and haste must be made slo ly

I ardennois, G Total Colectomy and Subcacal
Colectomy: Operail • Techniqu (Colectoms
1 tale of colectoms superagale technoles over

trees) I q ye old an lot Rh park (Nucc g Oper

The author ductuses the technique of each land of typical c ectoms but does not enter into a discussion of todicat on. He thinks the method was $d_0 > t$ whether Mane can be improved upon in ∞ rail part cultur. He improve dupon in ∞ rail part cultur. He improve means the improved upon in ∞ rail part cultur. He improved upon in ∞ reculture of memorability of ∞ everytain of the great omerature (4) use of the inclined rather than the horizontal position while the test ne in being sectioned and the anastomosus made (4) the use of subcret in election with it is automatically in the subcretary of the subcretary of election with it is automatically in the subcretary of the subcretary of extensive for the subcretary with the pair land contains for so long liter that clock tomy.

There are dut not all antages dissecting the peat on atom In the first pic or modistes the trans one muscolon as thus laye of cellular tusine on which are clearly unlined the right not left cole arterner, forming Biolans a rich The trees having been followed up to their orange only three lightures of New oratgest are required; accurate shooting home to the contract of the area remains.

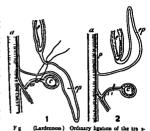
ed rainful for a long time after the operation even when covered with pentoneum Moreover when the mesocolon is sectioned near its origin it leaves only a small incision situated deep down so that no peritonization is n cessary Ligation en masse of the mesocolon and creat omentum offered another disadvantage It brought the greater curvature of the stomach into juxtaposition with the transverse mesocolon the right and left colic arteries and the duodenoiesunal angle. The tension caused by the heatures and the cicatricial retraction following the operation aggravated this condition and doubtless caused the gastric troubles that so frequently fol lowed colectomy The dissection of the om tum from the colon also facilitates the liberat n of the flexures of the colon. The fle ures are ach fixed the left one higher and more firmly than the right by a thin broad fibrous ligament extending from the lateral parietal pento cum to the upper edge and anterior surface of the colon. They are exactly in a has prolonged from the great omentum Wh a the latter is dissected and raised nothing is simpler than to sky the index finger between the misocolon and these suspensory ligaments - which re fibrou and nonvascular - cut them and lower the flexures II the omentum is not dissected the ligaments cannot be cut without risking the vessels of the mesocolo underneath Lane himself once had severe hamor thage which could be explained only in this way

names wants tout not explained using it into way
more and the second of the pertoneum indicate the
sected previously for the reasons just gire. None
of the patterns have shown sugar of inflammation of
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With a little practice dissection possible eve if there are adhesions and pericolitis if the ment in 15 ot absolutely contracted and cicatricial. The most that a risked is the lea ring of some fragments of the posterior fold of the omentum adherent to the mesocolon and as all the impo ta t vessels run through the double anterior fold and as this alon is fixed to the greater curvature of the tomach that fact is not of much importance. The author does not practice colectomy for simple chronic intestinal stass if the colon is perfectly normal H believes th t such colons m y be restored to normal function by medical treatment and possibly by a palli ti e operation He performs colectomy only chronic colitis has ca sed degene ation f the nalls of the col n and uch extensive adhesions that their destruction wou d be difficult and almost certainly followed by recurrence This shows that the separa tion of the ome turn and colon can be practiced in patients who have dhesions pericolitis and even

epiploitis

Lane oper t s in the horizontal position but the author prefers the inclined position for the purpose



cris mesocoloa with the great omentum Bad techniq e Fig (Lardennos) Proper ligation [the transverse mesocoloa with the on turn dissected off and lifted up Good technique

of getting the mass of the small intestines out of the way and securing more perfect isolation of the field of operation

Subrecal colectomy has distinct advantages over total colectomy In the latter in addition to the pain from the ligation ra marse and the traction on the stomach by the coatmical contraction of the mesocion there apt to be encassive distributed in the stomach of
The fact that the cacum is prolapsed distended and too movable doe not necessarily indicate that it should be sacrificed. Instead of being the cause of the trouble as is so often assumed it is more apt to be the vicin of coldino of the adjacent segments distant because of the reference of the segments distant because of the reference in degenerated from progressive distension in the second of the second second in the second of the second second in the second of the second second in the second second in the second s

A caccum well dramed into the ugmoid can cause no trouble and there are advantages in retaining it unless there are marked itenose of its walls. The general directions of the small intelless as manatament and the last few centimeters of the ileum particular of the control of

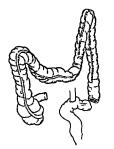


Fig 3 (Lardennous) Total colectomy Reosigmoid implantation

function of the small intestine and offers a barrier to reflux Moreover in retaining the cacum we pre serve the second tomach in which the greater part of the starch and cellulose is digested and which also furnishes a safety chamber in case of sudden reflu from the sigmoid Lane's partisans object that in pr serve g the last few centimeters of the ileum the risk flea ing a Lane s kink is taken In the first place these band are extrem ly rare and in the second unless they are 1 ry ma ked they cannot interfere greatly with the e acuation of the small ntestine if the carcum is well drained. At any rate if the surgeo finds such bands he may destroy them not by cutting them but by separat ng them at their insertion into the intestine which will prev at re-The liberation of the carcum which is necessary for its ana tomosis with the sigmoid would free the intestinal insertion of a Lane Link if there should be o It has been held that the cacum should be ext roated because it is the pl ce in the presting where bacteria are the most prevalent but it would seem that a circum regularly exacuated would be disinfected moreover examina tion after total colectomy has shown that the bac terui flora normally inhab ting the execum t ke up their abode in the terminal segment of the small intestine. It seems desirable therefore to preserve the carcum and the adjacent portion of the ascending colon unless there are distinct cont a indications

The operative technique is described as i flows:
In total colections, chloroform is to be preferred to other amesthesia because it is more prefound. The patient is placed in the horizontal position, the operator on the right side with his two statistics opposite him. The median main is to

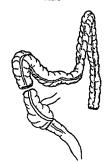


Fig. 4 (Landennoss) S bearal colectomy Find toend typhilosogmoud anistomous after resection of the base of the Gerum.

to 22 cm long, one third of it being above the uminicus two third below. The abdominal cavity is inspected carefully and a Ricard a retractor with a triple val e inserted. The great omentum and colon are brought outside the abdominal cavit the cav ty being protected with compresses. The omentum is lifted. The kine of junction of the omen tum and colon is marked by fine folds in the pen The assistant pulls the omentum and colon in opposit directions keeping the omentum pread out on his open right hand while his left hand twists the colon from above do n ard. The operator taking the omentum in his left hand passes a bistoury over the fine folds along the line of junc tion from the left to the right e d of the transverse colon. The pace is thus opened up and the opening is enlarged by the finge, the assistant holding the parts aside as they are separated. The dissection commences on the colon and is cont und on the mesocolon becoming easier as the trachment of the mesocolon to the posterior wall is porosched Soon the omentum i lud aside t the pper s ge of the wound and the whole supe no s race of the mesocolon is exposed to view Ih left inde finger following up the mesocolon comes t the uspensor) ligament of the splenic fie ure which being non vascular can be cut by the bust 17 with ut a y danger to the mesocol n or its seels The splenic flexure is thus detached and I wered. The disse tion of the panetal pentoneum is the followed up toward the media 1 as fa as desired

The right flexure is freed in the sam manne as

the left. There may be some adhtsions around the gall bladder but they are easily broken up The transverse colon with its mesoco on is lifted up and the omentum is replaced in the abdominal cavity Then the arteries are seen outlined on the thin mesocolon. A ligature of No o catgut is placed on the right colic vessels, then on the accessory right colic vessels and a third on the left colic vessels at the place where the privic colon is to be sectioned Hemorrhage may be presented by placing small Kocher's forceps on the peripher il ends of the ligated essels and cutting the mesocolon between Riolan s arch and the parietal insertion of the mesocolon The transverse ascending and descending coli freed from their mesocolon but remaining fixed at the extremities by their continuity with the Gecum and the surmoid are lifted up thus forming a great arch The patient is then placed in the inclined position which takes the mass of mail intestines out of the way The place for section of the colon is selected A small I gature is all that 1 necessary for harmostasis of the mesocolon. The ntestine is crushed with a Doven's forceps and a ligature of to I silk is placed here a strong forcers - not a clamp under which the intestine 1 ps - being placed just above The colon is then cut with the thermocau tery between the ligature on the lower end and the forceps on the upper The upper segment is placed outside the field of operation and the lower end is closed with the usual precautions. The care m and the termination of the small ntestine are then freed from any adhesions that may exist Ifæmo tasis is accomplished by ligation of the ileocolic artery The incision of the ascending mesocolon is prolonged in the mesentery to the por t chosen for section of the ilcum A strong forceps is placed on the distal end of the ileum a smaller forceps firm but not heavy enough to prod ce traum on the proximal end After the nte tinal conte ts are pushed back, a clamp is placed for safety a few centimeters farther up S ction is made with the thermocautery and the distal end of the ileum is thrown out of the fild foreratin The removal of the colon is completed

An end to-side anastomous is made between the deum and a gmord according to the ordinary rules The dissection of the ileocolic mese tery has left a dap of mesentery which it is well t suture to the postenor pentoneum with a few fine catgut sutures to prevent the formation of a dead space as well as to fix the e d of the sleum Lane drains the anastomosss and afte the oper tuon is complited he introduces a rubbe tube the uze f the little finger through the a us nd rectum It s passed up through the anast most 1 to the terminal portion of the small 1 t stine and projects bout 15 cm out side the anus L ne long aperience has doubtless shown th tat is bett r to d ain directly than to leave the patient s bject to an int rmittent painful diarrhora. The utho also thinks that this tube has the ad antage f pre nt g movements of the small intestine over the anastomous which constrict the end of the Jeum and that it thus prevents the painful spasms that he has observed for several weeks after the operation. Perhaps this drainage also prevents distention above the anastomosis and thus makes it more secure. The tube is exacution spontaneously by the patient. The omenium is respontaneously by the patient. The omenium is repaired over the part of the security of the latest the security of the patients of the security of the security of the security of the it loosely to the anterior wall of the abdomen to prevent its pulling on the greater curvature of the stomach. The wound is closed without drainage

2 The first stages of the operation are the same as for total colectomy Section should be performed first on the end that is to be closed and last on the end where the anastomosis is to be made. Section may be made with the bistoury but the author prefers the thermocautery The place chosen for section of the sigmoid is ariable depending on whether an end to end or an end to side anastomosis is to be made The caliber of the sigmoid determines the question if it is large the end to end anastomosis is ideal Flaccid, atomic pel ic colons are eminently adapted to end to-end anastomosis. In one case where marked spasm was recognized clinically the pasm was overcome by small irrigations of bella donna given two days before the operation and on the morning of the operation. The appendix is generally removed before the base of the excum is resected \ clamp is placed on the cocum and another on the sigmoid a few centimeters below the section in order to prevent reflux. The base of the cacum is resected and then the anastomosis is per formed according to the usual rules A tube may be used as in Lane's operation The end to side anastomosis is the same except that the execum is implanted into the side of the sigmoid

Bookman M R. Congen tal Malformations of the Rectum and Anus \ 1 M J 94 c 415 By Surg Gynec. & Ob t

The anus is first noticed in the early weeks of the embry o as a dimple in the epiblast and is known as the proctodeum. The lowermost portion of the hind gut which eventually forms the rectum and sigmoid is separated from the proctodeum by a thin septum which normally disappears about the fourth week of intra uterine life leaving those structures in co tinuity At the time of fusion of the anal depression with the hind gut it has open 1 g into it anteriorly the urachus and posteriorly the intest ne This is called the cloaca During the second month of development this cloaca is divided transversely by a septum which later forms the perincal body Persist nee of the fortal open ings result in the various congenital fi tule while the non disappe ance of the septum between the proctodeum and the hind gut constitutes the salient feature of imperforate anus and rectum

The simplest forms of rectal malformation are handled comparati ely easily but with the increasing distance between the proctodeum and the lowest portion of the primiti e rectum greater difficulties are encountered. In case where a septum as found the use of an exploring needle greatly facilitates matters and when gas or meconium escape, at series as a guide for further dissection. Imperiorate am are best treated by a vertical incision over the protection and gradual dissection upward needle by the exploring meetle. Should the borned be found the exploring meetle. Should the borned be found to be protected and state of the state of the contract of the state of the contract of the state of the contract of the state
Rectovagnal and recto-aterine fistule may be repaired when the child is older but rector-oscal and recto-oreteral fistule should be r paired as soon as conditions permit for when olon bacilla appear in the stools, ascending infections of the unnary tract are common. E. A. Ausstro.

Heyd C. G: A Procedure for the Repair of Accidental Injuries to the Rectum 7 f 63m & 60m for 1914 six 24 B) Surg Gv & Obs.

The author draws attention to the frequency of accidental injunes to the rectum low down in the pelvis and incident to the radic I extirpation of the uterus and adnexa for malignancy The technique is a modified tube-operation such as is used in sigmoidorectal anastomosis. A fairly rigid rubber tube about ten inches long perforated near its upper end is introduced into the rectum through the anus, and attached by means of a \o 2 hromic transfizion suture to the anterior rectal wall about one half unch above the usury Upon gentle traction on the tube the two lips of the rectal def et are approximated and sutured with to 2 chromic cateur L pon further traction a partial intuisus ception of the anterio rectal wall is produced where by two peritoneal surfaces are brought togethe with a right angle Cushing suture of Pagenstecher thread The upper portion of the rectum is mobilized by two pararectal incisions through the peritaneum Gen the but continuous traction is exerted by suturing the tube to the anal margin. The tube i rem sed at the end of fire days

LIVER PANCREAS, AND SPLEEN

Chency W F Syphilis of the Li er Imitating Circhosis (m / H 5 9 4 cxl 57 By Surg Gyner & Obst

Chency a report is based upon aix cases f u of asphilia of the liver one of arcinoma of the l er diagnosed as syphilis but proved by autopay to be carcinoma and a case of probable syphilis of the liver still under treatment

The first case is int rest ing in that operat on was performed for tum of the lower abdomen accompanied by asc tes After hysterectomy the liner was felt to be hard and notular and the pathologist report of nection was spinhitu cardness. Where the pathologist report of nection was spinhitu cardness. Must repeat the state of the pathologist of the pathologist reaction of blood and ascette and plural flat were reaction of blood and ascette and plural flat were traple. A possible of the pathologist pathologist pathologist pathologist was fulled became of the great destriction of liver two-set at autions?

From the clinical data the second case seems to be a case of syphilis of the liver and pancreas, with a small liver and a large spleen. With intensive specific treatment the patient has been greatly bene-

hted

The case of carcinoma of the liver mistaken for
syphilis, showed triple \ \ \ \ \text{hassermann reaction, but
this was due to concurrent syphil s and not to the
enlarged liver

The livers in this series of cases were both large and small and the enlarged on s on palpation have appeared smooth and were usually quite tender

Chency concludes that a say case which appear to be currhoss of the liver the blood should shray be examined for spiblis and if the Wassermann reaction is positive a vagorous pecific treatment will often produce man-clous improvement. In cases with positive reactions liver disease may not cases with positive reactions liver disease may not of no axial, but the therapeutic test will pay a valable information on and will do no harm.

TORR WAG ER HARMES

Wyard S: A Case of Congenital Atreus of the Bile-Ducts. Lauce Lond 10 4 Exr. 405 By Surg Gynec & Obst

The case is reported of an infant, which was nor mal at birth but became juxtudiced when there weeks old. When four months old she developed suffiles a rank especially around the amus of passed clay-colored stools. The luver was much enlarged but the spleen could not be felt. The mother had had fly other children who see all well, and had had one mucarrange six years previous. When the infant was ten months old a little first fluid was found in the peritoneal ca vy wholl gradually increased in amount. The juxtudies became more intense. The child duel when our

The author discusses the pathology and etiology of this condition, giving in detail the post mostras find gas in this case. The venus of the addont were f and enlarged by the condition of the c

the cystic duct was lost in the gastrohepatic omentum and could not be traced to its junction with the common duct. The spleen weighed three ounces

Microscopically the liver was extremely and markedly fibrosed The normal lobulation was entirely lost and the hepatic cells showed all stages of degeneration. There was a slight degree of fatty

degeneration.
The author beheves that the condution was due to a cholargitis. A gratire entertus traveling from the duodenum up along the common bule-duct would be capable of producing all the appearances found He also beheves that the same agent which caused the ascending cholangitis at the same time by absorption and circulation in the blood through the liver initiated a currhous which was auded and in creased later by the obliteration of the ducts.

EDWARD L COR ELL

Jackson R. II Anterior Choledojejunostomy with Report of a Case S g Gine & Obst 19 4, xix 232 Bj S rg Ginec & Obst

Reconstruction of the common bile duct in man is often disappointing in results owing to the debilitated condition of the patients and the path ologic alteration of the surrounding t ssues establishment of a physiologically active bile duct in man has not been placed in the category of well tried surgical procedures with definite indication and technique When essayed for the first t me there is apt to be an undue amount of hesitancy in the performance of the operation with a great deal of doubt as to its eff ciency when completed These considerations led the author to adopt in h a second case the simple maneuver of utilizing a more mobile portion of the intestinal canal than the duodenum in its shortened and somewhat atroph ed condition - the result of previous pylorect my - offered A loop of jejunum - that portion embracing ts first eighteen inches - w s brought up in front of the transverse colon and the stump of the common duct united to it by a small-caliber rubber tube inserted into the stump of the duct nd fastened with a linen statch the other end of the tube be g : serted unto a small opening 1 the bow I the w li of which was then folded over the tube and as much of the duct as possible - about ne half inch The lateral surfaces of the jejunum were then abraded and tacked to the adjacent u faces of th liver and pancreas The patient mad n un ntful con valescence and nine months afte operatio cont nues to be in good he lih

Osler W. Spienectomy Lear I Lond 9 4 lx 350 B Surg G) ec & Obst Osler states that cl nic 1 peri nce has nabled

Usier states that clink! I be the me man the the profession to recognize cert in groups of ascs a which splenectomy c in be done and other groups in which it so t indicated in the latter class should be placed all ascs f k krim — no good results having followed it use here also cases in which the pleen is c la ged but in which there is

also disease of the liver and also in case of syphilitie enlargements of the spleen. Vs regards the latter group however it is thought possible that spleno megaly of congenital specific origin in children might be successfully treated by splenectomy.

Splenectomy is indicated in the following three types of cases (1) Cases in which the spleen has been enlarged for years but the patient is in good general health The benefit of such operation ac crues because such cases if untreated often go on to chronic anamia there may also be leuconania enlargement of the liver and even jaundice and ascites (2) In some cases of Banti s disease In children in those cases in which the splenomegals is acute and progressive. There remains a doubtful senes of cases in which the removal of the spleen may do good such as some progressive forms of pernicious anaemia Addison's disease hæmolytic saundice kala-azar and primary tuberculosis of the spleen DO ALD C BALFOLR

MISCELLANEOUS

Dea er J B The Pathology Underly ng Abdominal Symptoms. J M Soc J 914 3 8 By Surg Cynec & Obst One of the most noteworthy advances in medicine

as marked by the enlargement of the group of organic d seases at the expense of so called functional disorders This is especially true of diseases of the abdomen One cause of many failures to recognize organic abdominal disease is the tendency to demand typical syndromes for diagnosis. It is important that particular emphasis be laid on the remarkable variations from type which occur in the best under stood diseases from this standpoint a survey is made of a recent series of 121 cases of gall bladder disease 28 of duodenal ulcer 18 of uncomplicated pancreatitis and 484 of chronic appendicitis. In gall bladder disease the evidence indicates that the average patient received his infection in the fourth decade and in many instances much earlier so that this must be regarded as an affection of compara tively early years. In 10 per cent of the cases pain was never localized in the region of the gall bladder and in about the same per cent no tend mess was present Jaundice was absent in four fifths of the cases and it should be emphasized that to wait for this symptom would be to miss the great majority f cases of ch lecystic discase The to t meal usual ly howed subscidity but possessed no diagnostic umf rm ty the \ ray and fluoroscope were of practi cally no assistance

Similar conditions exist in respect to disolenal ulcer Class cal cases may be recognized from h tory alone but the majority do not conf rm to the classical petture. In the above series pain was present in the epigastrum in 17 cases. In the right in the epigastrum in 18 cases. In the part to extra the configuration of the configuration of the case of the configuration of the configuration to eating is almost invariably constant in the eath tages but as the ulce migrates becomes calloused or excites penduodenal adhe ions, the relationship may be much obscured. In 15 cases only did the pain oreur at a definite pennol after it taking of food. The rarrly of somiting an I particularly of harmateness is exemplified in his series. Hyper acidity was present in less than half the cases

In chora to protectables the same tooms from type and consequent old collected of agencia rate even greater than in the jars dieg groups. A very metersting gro pas composed of cases of uj r absolutils. Of the 185 cases of chronic as predictils of the 185 cases of chronic as predictils of were of this group. In none if the classes were the symptoms those of piend itse. In 7 cases the pain was in the equation in a very the gail badder in a twas ceitral and in 31 in the lor and in 18 cases them it to radiate Only 6 cases gave a last norm of the top of the cases were a fact of the cases when the cases were a fact of the cases were a fact of the cases are a fact to go of the cases gave as a torm of the matter wome of the

cases simulated dued not under The goalst candy a presented to unformity. Most of these case we referred an operated upon in the belief that upper abdominal disease was a resent.

anomant unclase was a recent. The author rocalidate with a lacutation of point. The author rocalidate with a lacutation of unatural race, it could like that there are the rocal like the country of the state of the abdomen, but the rocal like the

SURGERY OF THE EXTREMENTS

DISEASES OF THE BONES, JOINTS MUSCLES, TENDONS CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

In too parts of lone a hither were qq i part i photyborn and q y on the me year qui part i photyborn and q y of c lone qui part i photyborn and q y of c lone qui part i part i photyborn and qui part i part of me years of calcump and the parts of calcump hopehate and on I c kun to bonat and uncerted these in the form of v p for toncum on bonat and uncerted these in the form of v p for toncum on bonat had been freed I personate unto the or in marr we can't qu' a bone and he tween book in or resert I bone of it blust in order to the part of the parts of the par

perion in they assed a smalle lied infiltrision and iou products of general ran of the ressen in a loop with a basic product of the ressent in a basic product of the ressent in a basic product of the ressent in the rest of the ressent in the rest of the ressent in the rest of the r

The author she I with a color cost if the means that the wear little with a shundard product of the test which was queckly at a few in hone to we be as queckly at the few in the bone to we be as queckly at the state.

b is of calcium salts - ere seen mude the cartilings cells, wh re they had been ingested by phagotytous if the latter - Hamoun

Schickele Ovaries and Growth of Bone (O anum and knoch awach tum) If and f Geberuh

6) 38 914 X

By Zentralid f d ges Cynik u Geburtsh a d Grenyth The author reports two experiments on female do which how the : if ence I carly castration on the growth of bone In the first experime t there was o by a slight differ nee in the length of the long bones in the castrated animal and in the control animal and the epiphysical lines ere list the same In the second parame t two f male dogs from a litt r of th were astrat I in the seventh neck mb ie the th rd was wed as a ontrol stumal the 14 month the control animal sas decidedly smaller than either f the cast ated animals, b t these t o also varu i size whi h may a li be attributed to th I ff rene in ra e of the parents. The epiphyses hors were ossified the control animal and sull not ce bly present in the castrated once. I similar periment perf rmed arbe in r libits showed no effect of tration n th gro th of bone The genitals were all ay if the the trophical a the caste ted animal

Fas O J: Traumatic Parosted Bone and Calins Formation S g (see & Ob : 2 4 x 174 By Sur- Gyner & Obsi

I) reports as of it untaic parasted bone and call formation as if four histologic lexams in all right formations as four histologic lexams of reurnee in three histologic lexifies present [n old hismorphage the stire located on as infarms 17 has get the untain relation existing heits on the musicle and the call mass as the most inter its of stires knocker atthing the stire of the call of

feature is the important rôle played by cartilage in the formation of bone The whole picture is that of a reparative process comparable perhaps to the formation of callus in fractures and not that of an inflammatory process an ossifying myositis. For this trason the author advocates the use of the term parosteal callus instead of the misleading appellation ossifying myositis. While the present status of the knowledge of the growth of bone does not permit of an absolute statement as regards the origin of the callus mass, there seems to be much evidence to support the metaplastic theory a changed relation ship to the nerves a changed nutrition and a temporary lack of functional activity result in a transitory loss of the specific funct on of the cells of the intramuscular connective tissue and cartilage and bone are formed

The history of trauma and the chincal picture may suggest that the mass palpated is a parosteal callus but the chief aid in diagnosis is the \ ray the outlines of the bone shaft are clean cut and the shadow of the parosteal mass is separated from t by a zone of hight The time for operation a deter mined by the ripening of the callus mass as shown by the correspondence of the clinical and th \ ray pictures, and by the clear outlines in the latter ۱'n early operation necessitates a co s derable sacrifice of tissue but if operation is postponed u 1 l the cellhave regained the r normal function a conservati e operation may be performed

Lett H Tuberculous Disease of Bone Ci By Surg Gyn & Obst 0 4 1111, 407

The author gives a statist cal and didactic ac count of bone tuberculosis. The nterest g point in the discussion are summarized as f llows

In a series of tubercular bone cases of per cent were found to ha e pure cultur s of the bo me

bactilus

The site of invasion s in the great majority of cases, in the end of the diaphysis; st below the epiphyseal line but it may occu anywhere in the shalt or in the epiphysi o even n the peno teum True seq estra re frequent

Diffuse or localized tubercul r oste myelitis of the shafts of the long bones occurs with some frequency Radical rem al of tuber lous foci either by curetting or by a bperiosteal resection FLAmer as ad ocated in som case

Da Costa, J C The Causal Relation of Trau matism to Tuberculous 1 S g Ph | 0 4 lx, 909 By S g Gynec & Ob t

post on of some of th The author fre confusion and bewilde m two oft n pr sent d in the courts during the t als of dam ge suits seeks is an jury e e a de to answer the question t rmm g cause of a tubercul us I sion

The period f gre test ! bihty of joint and bone tuberculosis is during the first five years of life but is tare during the first y a Wore than half occur before the twentieth year but uses in the middleaged are not ranties and even setules are not immune Demonstrable tuberculosis of the lung is rate in cases of bone and joint tuberculosis where the lesion is supposedly primary active pulmonary tuberculosis seldom develops

Statistics show that a large per cent of all cases are directly determined by injury. The sequence is not of necessity a consequence. A definite tendency must be shown Many cases arise without record or sign of antecedent injury or joint disease

One school of surgical thought holds that bone and joint tuberculous is never primary alway secondary The other that while in most instances the disease is secondary in some it is certainly primary and in some cases injury is the direct determining cause of the disease. In such cases tubercle bacally but not tubercles were in the part at the time of the accident or were carned there soon after it in the body fluids coming from some distant and probably unrecognizable area of disease or having entered into the lymph and blood directly after ingestion inhaling or inoculation

Vital resistance may be lowered generally or locally In a slight injury trivial transitory hyper emia follows Stasis occurs after more severe snjuries If blood contains bacteria more will be brought to the part during hyperæmia and many of them will pass into the peri ascular tissues through ruptured essels

Bacteria passing into damaged tissues tend to remain and thus become true menaces During the r prolonged stay - in ited by traumatism they batter down cellular resistance by means of

bacterial poisons
Tubercle bacilli act in the same way they may enter the blood in many ways without product g disease at the port of entry Latent lessons tending to cure may be made active by some other disease

injury or may from time to time give bacteria to the system They may pass through the body with out producing any microscopical lesion. They can he a the blood the waxy or fatty material of the bacillus resisti g phagocytic and digestive action They have an affinity for special parts and tend to settle into them in injury tends strongly to localize them especially is this true of injury to certain bones. Slight injuries predispose more decidedly than sever ones. The hyperamia is too hmuted to admit of the prompt armal and accu mulation of phagocytes and alexines which does occur afte a more severe mury

Quoting Bosanquet Da Costa saya of tubercular arthritis, if the reality of the accident is proved if from the time of the accident there continued to be some pain and stiffness in the part a d if the ymptoms suggest we of tuberculosis arise at a period not over three months from the accident we are justified in regarding the trauma as have g been causal

Traumatism is often a determ m g cause of bone and articular tuberculosis in other regions. This view is held by numbers of able and enument chnicians and should be recognized by all courts of law

To deny the possibility of traumatic tuberculosis is to deny many of the truths of pathology and some of the plainest lessons of clinical surgery

A C BACHMELER.

Williams, G. Localization of Osteomy et its, Especially in Adults B t J S g 1914 1 97
By Surg. Gynec & Obst

The author reports five very interesting cases of osteomychis four of which are adults. In three of the cases there was a recognizable primary source of infection. He draws the following con chassons

These cases bear out the general idea that infection of hone is primarily one of the marrow and therefore the medullary canal should be explored in all cases in which λ rays do not give evidence to the contrary

In adults the localization of the infect on is in the middle of the length of the shaft rather than at other and

In adults the infect ve osteomyelitis may be so subscute in character as to suggest a sarcoma rather than an infection in its clinical features

GEO I BAUMAN

Barrie G Hæmorthagic Osteomyellius S ;
G sec & Obst o 4 iz 4
By Surg Gynec & Obst

Further investigation and study confirm Barne's arber view that the generic 1 rm humorise, as arber view that the generic 1 rm humorise, costeony elitis con eys more exactly and precs by the clinical macroscopic and microscopic findings of those is litary intraoseou lesions in the long bones that have heretofore been diagnosed as medullary gant cell sarroma myelogenous goat erell sarroma melom medullary gant cell tumor localized obsentis fibross beings bone cy t trau maits solitary bone cyst tic.

H insuts the the so-called medulls y gas ted sacroms occurring as a solitary Jeson in the long bones is in fact a localized regreserative inflamma tory process we thout any evidence of multipancy. The gaant-cells present a e fo cign body gaint cells present a e fo cign body gaint cells that perform the part of sea, agest by a renot tissue builders. Going hand in land with bone destruction from municional inhibition and pressure necrosis are seen florts at repair in the formation of replacement beamorthage granulation tissue.

The author f rmulates a simple classific tion recognizing two district forms the chronic lesion assumes

Type A Chronic hemorrhagic osteomyelitis
Type B Chronic fibrocystic osteomyelitis

To type b belong the levons that retain throughout their cycle the harmorrhagic granulation t saue picture giving p actically no e idence of meta plastic change. To this group belong the so called medullary gant-cell sarcoma myelogenous grant

cell sarcoma mycloma and medullary grant cell tumor

Type B is a secondary stage of the hemorrhage form Here metaplassa has occurred the granulation tissue has been converted into replacement or proliterative fibrous structure. With active metaplastic reaction there is retraction and cyst forms

To this group belong the so called benign bone cyst traumatic solitary bone cyst and localized osterits fibrosa

All of these lesions give a history of imilal trauma they are localized and so far as we know at present re non infective and are non suppurate e

Smith, J F: Ostitis F bross Cystles II If J gts m g By Sung Gyner, 4 Obs

The author cites various reports in the literature of hone cysts and benign tumors of bone and also reports an interesting case of a woman aged twenty years, who sought medical advice on account of an nlargement of the left side of the lo er law of many years duration Two years previous she had had a premolar tooth drawn the denist evidently considering the trouble to be an alveolar abscess of dental origin Inasmuch as the swelling persisted the dentist attempted to remove some necrotic bone supposed to be at the bottom of the fistula which persisted after the tooth was drawn This att mpt was unsuccessful. When examined by the author the patient h d a marked deformity of the face due to the bulging of the left side of the lever 12m Inside of the mouth a mass could be see

name due to an opting of the ret: sace of the leastpan. Insade of the month a mass could be see which motived the left sade of the lover pa panning the paw both 1 was of the lover pa panning the paw both 1 was partially on cracking or fluctuation being obtained. Yeary showed a large mass consisting of a central soft area serious ed by a thin shell of compact bone at the bottom of which a fully developed tooth could be seen

Som of the tissue removed by operation was submitted for examination and was found to be mucoud connective tissue. Apparently there was inflammation but there was no evident of a more formation hence the diagnosis was made of bone cyst of inflammatory origin.

C. V. Junus.

Berry J Clinical N tes on Vial fin at Tumors of Long Bones. Cl J 9 4, lut, 465 By Surg Gynet & Obst.

Discussion of surcoma of bone takes up a large part of the article which is splendully dislatated with photographic reproductions of the bone and may be very slight. Other on dit one summittee tumors are cited for the conditions are cited for any beautiful to the conditions of the period of the shaft. A mataken diagnosis leading to amputation for this latte conditi a has const

und the thor's notice
Sarcom of the ends of the long bones kading to
joint; fiammation an 1 sim lating primary joint de-

ease is not uncommon with it however even after swelling of the joint and great pain movement although restricted is not painful Old ununited fracture with false joint and tumor like formations of fibrous it sue may also be taken for tumors

LEN R COLVIN

Liew lijn R L J and Jones A B Osteo-Arthritis of the Ilip Diagnosis in Its Early or Pre-Osteophytic Stages. Lan t Lond to 4 ixvu 365 B; Surg G nec & Obst

A strong plea is made for early diagnosis which it is stated can be made long before the formation of osteophyte. Among the subjective symptoms are pain local and referred tendemes and occa sonal associated lumbur pains. Painful stiffness unthe joint first attracts attention. Pain a the evily stage is attributed to incarreration of enlarged vill it is therefore monstant and may be located ante noily or posternorly near the joint or about the great technater.

Local tenderness due to sens it eness of the cap sule is very important in the inferentiation from the sciatica etc. and may be elected by deep pressure in the groin or behind the trochanter.

Referred pains often present for y are of decades before hone changes are ducloved by \tag are freque tly matalen for scatte or rheumatic conditions. These pains may be referred along the distribution of the scatte the antern rural it to buston or the e-ternal customers are formed to the condition of the scatte the antern rural it to be a second to the condition of the condition of the condition of the scatter of the condition of the scatter of the condition of

Climatic conditions and barometric changes ha elittle influence The pain is deep dent upon mechanical or static causes and this opinion is strengthened by the fact that pain dis ppears when ankylous is complete. The associated humbar pains are differentiated from the scatter a fumbago by the insidious onset and subscribe char

Among objective symptoms may be mentioned (1) Initial temporary limp d to occasional punching of vili (2) change in all tude (3) limitation of motion the result of muscle spasm secondary to joint ritation.

The above are symptoms of what may be called the primary or pre-osteophytic stage with chinical manifestations corresponding to those of a villous arthorise.

Treatment n this early at go should be directed to the corre tion of bno mal strain arising from fail foot access e we ght et combined with temporary fization act ve and passive motio and hyperzemia.

Brackett E. G. A thritis Associated with Lesions of the G alto-Urinary Tract B is M 6-S J 914 class 63 By Surg Gynec & Obst. In the increasing att tion which is being given to the et ology of the arthritides special consideration

is being taken of the portals of entry of infection and the pecual joint manifestations associated with various sources of towarms. It cannot be said that infections from given sources will always give char acteristic joint symptoms with there are some symptoms which will give a definite clue to the direction of the search.

The source of infection may be conveniently divided into three groups (1) bacteria or bacterial toxins (2) chemical toxins—gastro-intestinal (3) chemical irritants—unic and oxalic acids.

In the first group there is no source more promment than the genito urmary tract The organism is either the gonococcus or the colon bacillus Arthritis from gonococcus infection may be either acute or chronic. In the acute type marked by sudden onset of pain tenderness and swelling usual ly non articular the organisms are sometimes found in the joint cavities, which seems to indicate that the inflammatory process is a bacterial one Path ologically the joint shows a greatly increased vascularity of the synovial membrane cansular thickening and finally destruction of the cartilage obliteration of the joint cavity and fibrous or in complete bony ankylosis. In the chronic type the organisms are not found in the joint the symptoms and pathologic changes, therefore being due to the toxins and the process being a disturbance of nutri tion rather than an inflammation. There is a history of repeated attacks with mild but persistent symptoms polyarticular in distribution. The pathology is not so extensive as in the acute form and ankylosis from destruction is rare.

Arthritis from the colon bacillus is polyarticular and most frequent in the spine but has no pathognomonic characteristics

Methods of treatment have changed from symptomatic to ethological in the ourse of the acceptance of the primary focus idea. In the acute cases early opening of the joint cavity and hot lawage followed by complete closure is good surgery. For the later cases with adhesions oil indiation is indicated. This should be done by open operation in order to dispose of adhesions already present. W. A. CARE.

Hastings, T W Complement Fixation Tests in Chronic Infect! e Deforming Arthritis and Arthritis Deformans. J Exp Ved 19 4 xx 3 By Surg Grace, & Obst.

The author reports y cases of urbinite deformans which were positive to test is estraptioneous van which were positive to test in estraptioneous van dans antigen thus proving their infections and the test of the test number tested. A group of 26 control cases, not arbitist were consistently agestive to complement fination tests for streptococus vindanas Thirty five attrains of streptococus vindanas obtained from tomals teeth prostate and blood were used as representable are reported in detail. Cultures of the representation are reported in detail. Cultures of the control of the contro

The conclusions are that streptococcus undans exercise the production of a complement final guid-stance in cases of arthritis deformans and therefore it is the probable causative agent of the discase. Serum from one case may react possitively to two organisms, as streptococcus windans and genecoccus. In this case streptococcus windans and genecoccus in the case streptococcus windans aboud be compared the causative agent acuse genecoccus in address the causative agent acuse genecoccus in the case streptococcus windans aboud be compared to the case of th

Wolverton W C.1 Acute Rheumatic Arthritis in Children. Merch 2 A ch. 19 4 24 205 By Surg. Gynec, & Olat.

The writer emphasizes the necessity of heag ever on the alert for the mild cases of acute rheumatic polyarthritis as it is these cases, so easily overlooked and consequently untreated that result so disastrously as regards the heart. Vaccine treat ment to being used with most patisfactor, results

Finch E. Internal Derangement of the Knee-Joint. U M Rec 94 vi 1 1 By Surg Gyner & Obst.

A. J DAVIDSON

I linch gives a clear and concess description of the nationary of the lanc-point which he rightly thinks very necessary to the diagnosis of injuries to it. Syrams are due to wrenching and twisting. They cause great man followed by effusion into the point and the land that the land the land that the land the land that the l

Lacerated and ruptured interal braments are severe injuries, causing the pat ent to fall to the ground Immediate effusion means hemorrhage The treatment is the same as in sprain but is con tinued for a longer period plints to preve t lateral motion are a h lp Sem lunar cartilage inj ry is nearly always to the internal and is do e by lateral force with the leg partly flexed the antenor end is crushed or torn loose possibly displaced t and the center of the joint The leg cannot be f lly at nded Moving the leg back and forth often reduces the dislocation Wh nat becomes chronic ope ata n for removal is necessary. Co valesce ce is not i ngthy The author thinks if the acute cases we re protreated at rest for three w cks there would be fewer chronic ones. He does not belie e a retentive apparatus or drainage fler operat o In his cases the average time of returning to work was seven weeks. Loose bodies wh n free n the joint hould be located u de local ana th sia r at least located and fixed by local anasthesia b fore a general anesthesia is given for remot I since the patient if conscious, can aid greatly a determining the body a position. Rupture of the crucial hyaments follows violent accidents only and is disgnosed by the mobility of the joint R st and the use f.s. cetentive apparatus for a long time give a fair result

but some permanent disability is pretty certain to result. No movement should be allowed before two months.

Other derangements are separation of the titled tuberde infrapatellar pads of fat, which when caught between joint surfaces, should be enseed trigger-knee, no which a loud mapping is essued by a pedumculated foreign body which should be removed surrounding tendom which get caught and slip over extoses and finally rarely dislocation of the patella the treatment of which so operative

Gruber G B Further Study of the Pathological Amatomy of Chromomerbed Ossilication of Market Pathologicals assume determined to the Chromomerbed Ossilication of Muscle previously described by him 2 more 6 of which were caused by trauma a at companied tabetic point diseases, and 4 specimes showed large unifocular encotions.

13 more 5 of what here caused by frama 3 as companied tabette plott diseases, and 4 specimens about the control of the companied tabette framework that the control of the must be from which analysists or metaphastic bone or cut lage was formed Gruber concludes that conficult of the muster of the muster of the muster of the control of

He assumes the same mode of ongo for the multiple progressive forms of mounts oenfcass, as the histological findings are the same. He considers the progress a form a metaplatic resource of the mount of the constraint of the cons

The first requirement is always present as there gran listin tissue at the injured place in the muscl. The presence of calcium can be denote strated as one cases by the sulphurs and reaction is there, with a high and content of the muscle in may be assumed in other cases whe no bed collection of calcium can be denoted that the collection of calcium can be denoted as the whole is the collection of calcium can be denoted as the whole is the collection of the c

that trauma has caused acute bone atrophy. The same explanation may hold in the progressive form as it is generally formed in neuropathic or deformed subjects. The question of the disposition to cossifcation of bone is transformed into the question of the the calcium satis available for reaction with the same my opathia chronica osterplastics.

VacDonald T L.: Contractured Psous Parvus Tendons Their Significance and Clinical Relationship to Lesi ns of the Right like Region S g Grace & Ob! 914 21 215 By Sun Grace & Obs.

The author cites clinical cases to show the symptomatic resemblance to subacute and chronic appendicitis, and calls attention to the readmess with which the contractured tendon may appear to perpetuate post-operative districts in the right has region. He comments upon the unsuspecting stitude held concerning its existence and summaness as follows:

- I The pre-operative flexion of the right thigh is so frequently a symptom of inflammation of the vermiform appendix that it seems to confirm this diagnosis
- 2 In the case of moderate contracture complete thigh extension may be possible but painful. Restriction is definite
- 3 In the suppurative cases of appendicitis the contractured tendon may readily be overlooked, because of the importance of terminating the operation at the earliest moment of indulging in the least possible initra abdominal mampulation and because bowel and omental adhesions supervene

4 It may not be significant but in each case the psoas parvus tendon on the other side was examined and found normal except in Case 2

- 5 The cardboard like edge of the shortened teadon is capable of damming to a most trouble-some degree the excel c rrent by forming a saddle-bag execum as the gut rests upon it the relief of const pat on after tentotomy being quite noteworthy e n while the patient is juy g in bod.
- 6 At present the stepping up of the pentioneum from the outer edge of the abdomanal wound, as though to expose the u ter seems a satisfactory and feasible method of exposing the tendon for tenotomy when the bdomen opened through the obbque incision
- 7 Prompt relief of the symptoms may be expected after complete totomy
 8 In the post ope ative cases the leaning atti
- tude of the patient may will suggest adhesions

 of the persistence of thigh flexion under ange-
- thesia is characteristic
 o All of these patients were inclined to be
 neurotic
- 11 It now seems somewhat strange that in a hospital service of e ghteen o more years similar cases have not been encountered before which sug

gests that it would be wise to examine for and exclude this lesion when operating in the lower abdo-

27 The unsu pecting attitude of both medical attendants and surgeon is emphasized by the fact that the only instance in this short series wherein the contracture was even suggested before operation was in the last one seed.

FRACTURES AND DISLOCATIONS

Sherman II V and Talt D: Fractures near
Joints Fractures into Joints. Surg Grace of
Obd 1914 ME, 131 By Surg Grace, & Obd.

The author points out that a fracture near a joint develops mechanical conditions due to the short fragment and moules joint and that the restoration of the mount anatomy and physiology is thus made more difficult. Poculal attention is drawn to the fault different surveous have sing gested certain positions and difficult surveous have sing gested certain positions and maintain most accurately the alignment of the general sand that then function returns as a matter of course. These positions is all of these difficult on the best found to be at the hunt of normal motion and in the directions in shack motion of the property of the state
regain after the older methods of dressing. The fractures specialized are those at the upper end of the humerus, in which the position of choice is that of abduction, to make the major fragment follow the minor at the lower end of the hamerus in which the position of choice is that of complete flexion at the hip in waich the position of cho ce for non impacted fractures is that of abduction at the ankle in which the common of choice is that of suprnation with the foot at right a ges to the keon an anteroposterior page. These are now adopted methods of treatment and in all of them a possible has been selected which a life att one to become nouthly of the state o possible after freamen To ex paint and a each of them n is possed of all where Let fragment is not recorded car with where the animals and other transfer to the section of the first to the section of the section Joint than it is to the maje more it is mer. scally and for property and for property and for property and for property and the property ment beyond the years of the country and to the state of
can be tolerated usade a joint and if it would be right therelow to put them there even on the bear ing surface of the joint. Dogs and cats were used for this work and screws of steel of plated steel, of brass and, in some instances small plates of massled clock spring were put inside the lane joint sometimes along the side of the lone but the point sometimes along the side of the former lar surface of the ferror.

The conclusions arrived at were that the transarticular method is the only practical method which gives perfect access to certain joint fractures and permits accurate reposition of the fragments that it is a perfectly innocuous method that there is a decided mechanical advantage in using intra articu lar screws or plates to insure accurate maintenance of fragments that these seem to be per se innocuous that they excite no reaction different from that caused in any other connective tissue that when properly countersual, they are rapidly excluded from the joint-cavity by a layer of newly formed fibrous tissue which grows up from the marrow spaces and that under aseptic conditions they remain firmly imbedded that they cause very little more reaction than the autoplastic bo e peg that even if not entirely countersunk they may still be practical and innocuous because the projecting portion cuts for itself a path in the cartilage of the opposite bone and that when this has been accomplished normal function returns , This transacticular route is sug gested as the method of choice in fractures traversing joint surfaces or in displaced epiphyses when anatomical apposition of the fragments cannot be maintained except by the use of some internal fixation apparatus.

Hitzrot, J M Fractures of the Upper End of the Humerus. V 1 V J 9 4 265
By Surg Grace & Obst

The unter analyzes 392 cases of fracture of the upper end of the humerus observed during the past ten years of these 68 were through the past ten years of these 68 were through the usual continuous cases of the continuous cases of the past through the anatomized seck, associated with dislocation and it were fractures of the great throught some of the latter of the past through the past of the past o

The mechanism of the amous forms of f acture the variety of displacement and the influence of the musculature are next discussed also symptoms and

displaces a to treatment in the vast majority of cases abdution and external rotation of the lower factor of the control of th

plished by bandaging the arm to the side with or without a pad in the axilia. In others where greater external rotation and abduction are necessary molded plaster solints are more suitable.

Open operation was resorted to in only 3 per cent the indications being as follows

t Fractures with dislocation of the head. The head may be remoted or when possible, replaced and fastened to the shaft by a screw or nail

2 Epiphyseal separations, unless absolutely accurate replacement is otherwise obtainable

3 All fractures in which the reduction is imper fect and in which a bad result seems likely Local amesthesis supplemented by yas and oxygen

Local anesthesus supplemented by gas and on gaduring the short period of parindi manupulation was sufficient in most cases. Except in long oblique incutures no internal fixation is necessary ritention being easily maliatalned by abduction and external oration and pressure upward to compel engagement of the fragments. The use of metal spinis, internal or external or of intranedularly appairs, increased an absurdary. In the long oblique or spiril forms sufficient features passed through drift holes mater sufficient, features are passed through drift holes mater sufficient features.

A good result cannot be claimed unless there is adduction of goe external rotation permiting the hand to be placed on the seventh cervical spine and internal rotation permitting contact of the back of the hand with the mid lumbar region.

In the after treatment the author lays stress on the early use of baking masage and active and possive motion and expresses the b lef that many poor results are due to lack of attention to these details.

Freiberg A. H : Infraction of the Second Metata aal Bone S g Gysec & Obst 19 4, 212, 0 By Surg Gynec, & Obst.

Sur cases are reported in short the patterns presented themselves because of pain at the notations of the cases the h. ray examination sho ed that there had been an infraction of the distal end if the second metatarnal bone. In three of the cases there seem loose bodies in the point and in two of these short loose bodies in the point and in two of these short loose bodies in the point and in two of these short loose bodies in the point and in two of these short loose bodies in the point and in two of these short look of the cases look of the point look of the poin

These cases have probably often failed of recogn tion because of the amiliarity of the a implement to those of these or alled aniernor fat foot from the rotategenogram the d gmosts re that a matter gan, thackens g and marked tenderness f the second metat resophilanged in a land gratung on passave most ement if loose bottes

are present

The treatment is purely mech incid sa when
loose bodies indicat arthrot my f r their removal,
either b cause of their size o number. In one case

permanent relief without operation resulted even though a loose body 20 mm in diameter was present

Not a little interest attaches to the mechanism which this injury to the foot causes Under normal circumstances the second metatarsal bone is al ahtiv longer than the first. In the presence of a diminished power of toe flexion and especially of the great toe it is apparent that forcible impact to the ball of the foot against the ground not sufficiently guarded by the flexor power of the toes will cause the distal end of the second metatarsal to bear the brunt of the blow

The author thinks that in this may be found the explanation of the mechanism of this injury

Davies W T F: Treatment of Fractures Afric Il Rec 914, xu, 283 By Surg Gynec & Obst

In a general way, Davies reviews his experience in the treatment of fractures

He discusses the results of early-day treatment of fractures, showing that perfect cures were never to be expected that it was then almost imposs ble to get proper relationship between the articular urfaces of a joint

He emphasizes the importance of perfect reduc tion without which the successful treatment of fractures cannot be attained and also states that great difficulty is to be encountered in securing

perfect countation One of the principal sources of the revelation of the faults in the treatment of fractures has been the A ray Even after apparent successful reduc tion and the part looks perfect the \ ray may

show that there is no reduction whatever For the sake of the patient and the protection of the surgeon the author ad ocates the use of the X ray together with postero anterior and lateral

view photographs

used

The great difficulty in getting reduction is due to the slight bowing of the muscles and tendons caused by the nflammatory exudation muscles in the normal state being stretched in straight lines along the bon axis any undue pulling in trying to get relaxation only csults in tearing

This condition is not t be f nd in a compound fracture or in a recent fr ture when cut down upon both cond tions may be red ced with com parat ve case

In nearly all case general asthes a should be employed that the s region may do his work

thoroughly and w tho t hast Perfect to ptatio the bone I nes being placed

exactly together with no rot tion of one figment n the ther m t be secured with ceps Davies ad In a compound f ct cates the opening i the w und cleansing with some antiscpt c a d the placing i a wire tightly plat or screws being around th fragm nt -

In a compound comminuted fracture all fragments if possible should be saved and fitted together the parts being held together with wire Tree dramage is necessary. An iodoform gauze drain saturated with pure glycerine may be used the gauze being passed through a tube or the gauze may be used as a packing. The glycerine has the effect of bringing about early asepsis.

In oblique fractures, Pott's and Colle s fractures fractures of the patella and olecranon T-shaped fractures of the knee and elbow reduction is often impossible without operation and in keeping the fragments in place plates screws and wire should

he used

There should be no fear of operating on these cases If properly done results will be successful but if operative procedure is not attempted in cases where reduction cannot be accomplished in any other way deformity is sure to result

TORY II SHAW

Woolsey G Conservatism in the Operative Treatment of Simple Fractures V 1 St J

Med 914 x1 409 By Surg Gynec & Obst. The use of any old or new operative method of treatment which best meets the indications when operative treatment is decided to be necessary or advisable and safe is the author's idea of conserva

tism in operative treatment of simple fractures He recognizes that good function is much more important than the position of the fragments and that it may be obtained when the position is by no means perfect and that it may not be present when the position is nearly perfect although it is most

likely to be The first essential to conservatism in the operative treatment of fractures is a careful chinical diagnosis

enfied or corrected by anteropostenor and lateral X ray views whenever it is possible. If the frag ments are not in good position reduction must be attempted and the result shown by another \ ray This attempt at reduction must be made early during the first four or five days if possible

The operative treatment i fractures is undet Len to better fulfill two fundam ntal requirements of fractures,- reduction a diretention

Reduction is the most important feature and i common to all methods of open treatment If there is overriding t should be overcome by traction etc.

For the ret ation of bone fragments there is non a large armamentarium for the operative treatment

of fractures by plates and similar methods The chief objections to the use of metal plates are) that it cha ges a simple into a compo nd fracture for the time being as do almost all operative methods of treatment () that it leaves a foreign body in the tissues Metal plates are better formed with less danger of causing trouble when applied to bones like the femur which are well covered by muscles. r ther than to bones cov red only by ki like the tibia. Other objections to metal plates are that they

cause osteoporosity of the bone nd delay in callous

formation and assification hence delayed or non

umon has not infrequently resulted

These obsections and that of leaving a foreign body in the tissues are met by the use of boneplates, usually taken from the crest of the tibiz. In fractures of the tibia a V shaped groove is cut on the mner surface with a Hartley san Into this a boneplate four inches long, triangular on sections cut from the crest, cut from the same or opposite tibis is fastened by chromic gut passed through drill holes above and below the fracture This seems to stimu late rather than retard repair, hence is useful in delayed union. It is not so often suitable for the

The author has had no experience with the intra medullary dowel of bone In some cases he believes that a nail or a screw meets the indications more simply and more effectively than a plate or anything C M JACOBS

Corner E. M : Some Practical Notes on Dislocations of the Hip P schoot Lond By S or Gynec & Obst

Corner bases his observations on the cases of dislocation of the hip which have come to St Thomas Hospital, London since 1890 He con siders the usual textbook classification as too elaborate dividing the cases into two varieties, either posterior or anterior to a line drawn through the center of the acetabulum and anterior inferior spine He bases his diagnosis on the position of the limb the position of the great trochanter position of the head of the femur and the shiagraph The relative frequency of posterior to autorior dislocations is The necessary causative factor is about 7 to 1 violence to a body supported by an abducted leg.
It is much more frequent in males than in females. and occurs most frequently during the second decade. He details the manipulations necessary to obtain reduction in the two varieties

H W Bricos

Greig, D. M. Recurrent Luxation of the Patella Edinb M J 9 4, 214, 40 By Surg Gynec & Obst

True traumatic dialocations of the patella are uncommon and, when they do occur are of minor

importance to other coincident injuries The author has considered conditions character ized by outward displacement of one or both patellie

and their sticlogy

The patella being a sesamoid bone and developed within the tendon of the quadriceps extensor crurens is modified to arriculate with the trochlear criticis is moraned to arrandom sea the fitting surface of the femur. The outer condy is a prolonged further upward and is faither all of which facilities outward displacement but in complete fiction the sance condyle projects further downward. The patiella is held in place by the capsule and tempon of the quadraces, but in effusion, the tension being increased displacement rarely occurs.

thnormal or arregular conformation of a knee joint, with lax ligaments - which is considered a neglible factor - admits of a greater range of motion, hence greater hability to displacement and yana tions in the zers of the femur or of the constituent muscles of the quadricens extensor renders the patella more hable to be misplaced. Young adults are more subject to displacements and they often follow some exanthematous diseases, such as

diphthema, scarlet lever and antenor pohomyelus, The most prominent factors are traumatism. delective bone development and imperient muscular sction due to cerebral and somal affections. The treatment advised is rest in bed and splints in the recurrent type surgical correction of abnormal bone development and limited exercise with a protecture II. W MALTRY

leather knee-cap

and external fixation.

SURGERY OF THE RONES TOINTS ETC.

Pringle, J. H.: Analysis of Two Hundred and Thirty Cases of Open Fractures of the Long Some Treated by Operative Methods. Bru, J Sur!

By Surg Greec & Obt. 10 4 以10 The author reviews the results of 230 cases of open fracture of the long bones treated by operative methods. He divides the cases into those treated by fixation — by wiring, plates acrews etc.— and those treated by simple cleaning Secondary amputation was necessary in 6 25 per cent of the fixation and 14 8 per cent of the cleaned cases. Most of the cases were treated by fixation and he considers the results obtained very satisfactory On account of the free opening up of the wound that is necessary for fixation sepois was much less com-

mon than in the cases treated by sumple cleanung Vulpius, O. (Operative Mobilisation of Joints (Su trage aur operatives Gelenkmobilisation) Mis-he med Websicht, o. Lid. 506. By Zentralbi f. d. gen. Lis. a. i. Grenzeb

GEO. L. BAUMA

The author recommends the bilateral incision and the interposition of flaps of fascia with pedicles for th mobilization of the knee-joint. The best cases are those of post traumatic a Lylous of the sibos joint He does not hesitate e en to undertake the mobilization of the joint in closed tuberculous, and gives a detailed description of three successful case of operation as follows

I In a case of ankylous of the elbow joint in a to-year old boy after fracture of the joint the interposition of a flap from the triceps tenden resulted 4 me the later in act e e tension to 160 degrees, active flexion to 50 degree

uegrees, active menous to 50 degree

2 A 35-yes old w man had had tubercular
askyloss of the hip joint for 25 years \ new
joint cavity w made a d fatty that e and a lay
of the gluteus lepposed Six and one-half yearafter the peration the patient could walk without ete fiexion and at naion to 50 degrees was possible

3 The third case was that of a 25 year old woman with balareral sals) hoss of the hip after septic theu mait in of the yout Operation was performed on both joints within four weeks. Fascia and mu cle were interposed. The findings one year later were on the left act it of feating to be degrees abduction to so adduction to so on the right sate it effects to so, adduction and adduction and adduction to long the sale of the sa

Desine II. B Free Fat and Fascia Transplanta tion in the Treatment of Ankylosed Joints and Diseases of Bones. M J A trai 1914 123 By Surg Cynec & Obst

Seten out of eight transplants of fat into bone performed on animals in Gare a climic are reported to have heen successful—one case healing perfectly in the presence of mild inflammatio. This positi is result in a case of infection offers the hope that fate may be used for filling in bone carties in outcome, the used for filling in bone carties in outcome, the world start is a framework for redevelopment of bone. Two such cases are reported one in the temporomaxilary joint a d

one in the femur with healing by first mention.
The technique is as follows. All infected sinuses. are dissected out without opening. The infected wall of bone is bu red through clea, bone st rili ed with nurse atholic acid and washed out gloves and instruments have been changed another burring is done and the c ty rewashed and dried The transplanted fat must not be touched with the angers and must fill the catty completely Other uses for which the fat transplant has been success fully employed by the autho re separatio of the brachial plexu from the sharp dge of a deformed first rib tilling in the c tw of a centr I hydreid of the h er isolating the ulnar ners from scar tis e of a fracture of the humerus. The most aluable use of such transplant in treatment of nin losed joints The free transplant h s the ad ant ge o e the pedicle flap in thit tic n be made as large as necessary and it llow free in nipulation

In ankylosed shoulde of ight years standing was mobilized by complet by en losing the head of the humerus in a lay r of fascia lata w th fat after an unsuccessful pe atto with pedicle tlap. Other case report d are mob lizat case report d are mob lizat of the hip-joint which h d been nlyless i following n rthrit by nelosing the had f the femu in a free fat tra plant nd a w of I ub! ankylous I th temporoma ill re jo t i this latt ase as the natural was 11 to open h mouth wide the patient was enough to t he food t actso of the increors w s necessary The complet bony ankylosis was hiseled loose and pere of fascia lata doubled with (t sid wa t roosed Three m nths t moved Three m nths It the patie t had almost pe fe t motio of the 12W W A CLUM

Dasers b. Operati e Treatment of Paralysis of the Shoulder (Fin Buirra ur operat en il handlung der Shalteriahmung) Zucker J orth F Chr of a 2002 April 1992 Entralbl. I d. ges. Chr. u. 1 Grenzerb.

lifter a short discussion of the disturbances in motion of the shoulder joint. Essers describes a case of trapezius paralysis from the Lange clinic and discusses the patholo y and treatment of the con dition. It is generally caused by injury to the accessory for in tance in the removal of cervical glands but the clinical picture of complete paralysis of the trapezius may vary. It may be possible to elevate the arm laterally abo e the horizontal because of the vicanous action of other shoulder muscles, although the force is decreased. But the sinking of the shoulder forward and downwa d is characteristic as well as the standing out of the scapula from the spinal column and incoordinated excursions of the scapula on lateral movements of the arm These phenomena are caused by shorten ing of the serratus and the pectoralis, and a length ening of the excursion of the acromioclavicular joint backward and inward as a result of the lack of the action of the trapezius

The author speaks of the operative and non operative treatments of paralysis of the shoulder joint none of which have go en uniformly satisfactory results Rothschild a method is an advance in the treatment he fixed the scapula to the spine with a trip of fascia. In a similar way in a case of congenital bilateral absence of the trapezius Cramer fastened the scapulæ together and to the spine, In a series of interesting ases of paralysis of the trapezius in syringomyelia Lange instead of the str p of fascia used a strong silk suture which he carried obliquely upward from the median angle of the scapula through the subcutaneous fatty tissue and fastened to the spinou processe in the region of the lowe cervical vert bræ. The functional result was very good. The scapula was held in normal position the overstretched rhombonder and levat r scapulæ w re relieved and after a suitable othopedic after treatment the arm could be lifted to the perpendicul

Lulp us, O Lengthening of Tendons by Miding (Ube die Sch lang rung durch das R tschenlasse) M he med B has hr 94 kg, 7 By Zent alb! f d grs. Chir u L Grenzgeb

The umplest method of te d a lengthrung rabcutaneous transverse section does not two good anatomical and functional results and the lengthrung of tendons whether performed by the open o subcutaneous method injures the t don to a very considerable e t at therefore Julius recommends method which he calls slid g of the tendon I be tendon is cut high up where it enters the m sele ad so ha muscle abors on chased of it. The next is not method whether the form of a rev rad A with the pex directed toward form of a rev rad A with the pex directed toward the tendon slides downward without interrupting the continuity of the tract The greatest indication for this method is found in paralytic and spastic contractures as well as in ischamic contractures where there will be abundant opportunity to test GLAPSCARE.

Moore J W: Surgical Treatment of Infantile Paralysis. N 1 W J 914 C 404 By Surg Cynec, & Obst.

i short description of infantile paralysis is given followed by a discussion of the various methods of treatment of the fourth or stage of residual paralysis. and a report of cases of tendon transplantation and arthrodesis

Vany of the methods which have been used are mentioned such as screw fixation of joints after Magrader silk bigaments and muscle transi lanta tion Any operation involving the use of the tendons of paralyzed muscles is condemned

Light interesting cases are described including operations on a hip a shoulder and ankles

F C. LID ER.

Binnie J F Amputation of the Leg !
S rg Phila. 1914 in 160 By Surg Gynec & Obst The essaylet states that the choice of method and site of leg amoutations below the Luce depends first on the lesson for which the operation is required and second on the use which is to be made of the

He then discusses the first point in malignant discase and gangrene describing the method of Moskowicz and that of Sandrock to determine the line of demarcation belond the use which is to be made of the stump is a factor of prime importance in the choice of the site of amputation. If an artificial limb cannot be secured it is of great importance to save as much of the 1 mb as possible and to provide a stump upon which the weight of the body can be aupported without harm resulting. In example of such an operation where the foot only is amp tat ed is the osteoplastic procedure of Pirogoff the heel being partly saved

He discusses the sent of elect on for amp ta tions of the leg, the stump being suff ciently long to attach an nexpensive wooden peg Where the nations can all d a good artificial limb the lowest lavorable site for section of the leg bones is eight inches bo e the grou d and the highest point f ur inches below the lower edge of the patella

If necessary to mputate above the seat of election disarticulatio at the knee has usually been advised Liff sent wight bearing c pacity may be impaired by adhesions of skin etc to bone mefficient covering f the bone irregularity of the end of the bone stump neurom ta and nerve end ines caught in scar lissues

In discussing means besides asepsis t a id these faults he describes the method of section of the various tissues from skin to bone th strioping up of the penosteum a d the scraping out of bonemarrow for one-third of an inch thus favoring pain less stumps. He approves of the subjecting of the stump to a reasonable amount of therapeutic abuse and describes Hirsch's method of accom plishing this. He also describes his own modification of the Bier esteoplastic operation. If W W 1001

ORTHOPEDICS IN GENERAL

Neuh f II and Oppenheimer E. D : Congen tal Contractures of the Fingers with the Report of a Case of the Familial Type. Sarg Report of R Land 11.

G) 16 Obs 1914, 115, 193

By Surg Gynec & Obs

A case of bilateral contracture of the fingers running through three generations is described The fourth and fifth fi gers of the right hand were operated upon It was then found that the resistance to extension was not in the skin fiscial or tendons but in the joint capsule and arricular ilgaments. The authors believe that most of the failures in the operations for congenital finger con tractures are due to non recognition of this factor In their case full extension of the fingers was ob anned after partial disson of the capalle and I gaments. The operative findings are described in detail A simple apparatus to maintan even sion was desired and employed for several weeks find a result was excellent in the author before results should generally be successful if their plan for operation were carried out

Three stages of congenital finger contracture are recognized In children the dropping of the phalanges can be permanently corrected by ex tension apparatus Th second stage, generally observed near puberty consists in a contracture that can be overcome w thout operation only with great d ficulty In the third stage the affection has progressed and ca be cured only by peration The contracture not infrequently remains station ary in the first stage Dupuy tren s contraction of the fascia bears no relation to congenital finger contracture

Fruser F R. Clanical Observations on Amety es of Acute Lpid mic Poliomyelitis J M Sc 94 cxl h B) Surg Gyace & Obst

In a study of ninety cases of polionischite ad-mitted in the acute stage to the Rockefelle Institute the sutho observed that the ges were I on
n e months to fourteen years that the preparable
and general sympt ms h as I enchmes, dross
ness, twitch my and stret balty cam on from a fee hours to nine days before the paralysis th t omit nours to since cays better the paralysis in the disconsistence of the control of the case of the case of the case of the cases of the c muscles was present in 33 per cent and 1 of the 12 ft l cases, de th was attributed d rectly or indirectly to this cause About 33 per c 1 showed

involvement of the facial muscles. Five cases of the abortive type are reported in which there was present all the characteristic symptoms except paralysis Electrical tests made on 11 patients seemed to indicate that paralyzed muscles which respond well to faradic stimulation will recover After a year of unsuccessful treatment recovery of a completely paralyzed muscle cannot be expected Treatment during the acute stage may include the administration of protropine and intraspinous in section of adrenalin \either of these measures was found to be of definite value \rtificial r spiration in cases of paralysis of the daphragm and inter

costal musculature has not accomplished any recov enes. Care should be taken to make the patient comfortable and to prevent toe-drop by supporting the foot on a right-angle splint. After the acute stage the important points in treatment are massage and prevention of deformit) It is doubtful whether electricity is of any value beyond causing contraction it may supplement massage but cannot replace it The occurrence of deformities is to be prevented by resisting the relatively strong muscles with mechanical appliances thus allowing the weaker muscles to relax which condition hastens their re-COLCTY W A CLARA

SURGERY OF THE SPINAL COLUMN AND CORD

Jacobs C. M. Bone Transplantation into the Spinous Process of the Vertebras for the Cure of Tuberculous Spine Disease 111 19 4 XXVI By Surg Gynec & Ob-t

The unter reports nine cases of Pott's disease treated by the Albee method of tran planting a plint from the crest of the tibia into the split poste

nor spinous processes

While recognizing that this procedure ma ks a new epoch in the treatment of tuberculous disease of the spine the author does not think it just fiable n all cases and sums up the indications as follows In children with carres of the cerval lower dor sal and lumbar vertebræ onservative treatm t should be the first resort mille and upper lorsal

Pott s disease or where conservative treatment has been tried with disappointing results. Albee a surm cal method is the treatment par excellence

In adults where time plays an important part and where rapid results are desired surgical treatment is

the method of selection

To avoid failure the graft should include the spinous processes of all of the diseased vertebra and at least two contiguous vertebræ above and below A good skingraph is therefore most essential. Ex ternal support is advisable for 6 to 12 months fol lowing the post-operative period of recumbency as too arly reliance cannot be placed on the strength of the graft and it is best to give ample time for complete umon I I GAENELLY

SURGERY OF THE NLRVOUS SYSTEM

Gerulanos, M Gunsh t Injuries of the Periph ral ulanos, M. Gunan tinjunes of the zeropa in herves in the Balkan Wars (* huss. letr. ge der penpheren en d Bit. nk. sege) Bit. kl. Ck. 0.4 ct. By Zentralbi f d ges. Chir. Grenzgeb d Blank sece)

Grenzgeb

Of 2 522 wounded men reces ed t the Id the Hospital in Salo iki dire t from the battle field 36 had nerve injuries and 50 h 1 essel 3 ries Geru lanos operated a Salonik d Athens together on 50 nerve 1) nes he also had 8 cases that were The rem n of the bend of the not operated lbow is especially fr que thy i ol ed then follow nunes of the nerves I the uppe rm The sciatic here widom injured. The preliminar region is more often a red on the lift sade the axillary and upper arm rigion o th right. In compariso with the exals the pumph ral rues were seldom nj red probably be use they, ild to the bullets In put of the gre t n mber of hrapnel inj ries especially in the second w r he saw ly ten cases of njury f the r es b h p l. The shot may pass through the without juring it parties larly The ners my bet reo twel by the bot or red second i l ancursons bone fractures or pressure from scars. Injury to the nerve in conjunction with ancurism or other injury to the vessels is very frequently observed in the to the vesses in the nerve may be very severely injured by a grow g ancurum Other disturbances may be caused by blood or lymph effusion by in fectious inflammation or by a foreign body I ven the simplest effusion of fresh blood or serous fluid into the tissues may interrupt nerve conduction

I athological anatomical findings as well as the clinical signs of nerve injury are discussed Opera tion should be performed if there is no improvement after 4 to 6 weeks. Resection of the nerve should be thorough and carried out under the strictest asepus. The operations are reunion of the divided ends of the nerve tretching, plastic operations substitution of catgut lateral implantation etc The results of the operation were a cured 14 m edly improved and a unaffected. Wh n freed from adhesions the nerve functions gain no 103 m tha when it s sutured after 6 to 8 mo th Ath d case reco end without perstion

Susty-eight case hi to its are given

(r ac ≤

Borchard; Surgery of Peripheral Verses (Prostipielles zur Chururgie der peripheren Vers a) B 1 s bl Ch 10 4 20 634

By Zentralbl. f d ges. Chir u. i. Grenzgeb

Borchard reports the treatment of sugmess of the perpheral nerse, which he has practiced for 15 years. 4s to the time for surgical interference in substitutioned injuries of the nerse sunccompanied by fracture he operates when the signs of injury to the soft parts, chefly effusion of blood have dis appeared and when during that time there has been expected and when during that time there has been expected and when more flat time there has been dependent on the contract of the contract and when neural propositions of the contract of degeneration of degeneration appears

Often on operall at its found that there has been to unterruption of community of the nerse but the nerse sheath as somewhat swellen and filled with nerse sheath as somewhat swellen and filled with nearly stated and the state of the nerse sheath as always necessed even when pulpation shows so marked change. Later it is sutured again and to avoid athersoms the nervice nembedded in muscle word attraction the nervice is methodical in muscle and the state of t

ly cared for if it is septic he waits for the cleaning of the wound. In secondary nerve lesions from callus, sears acquestra etc. he operates on the first certain signs of beginning injury

As to the technique of nerve operations, he de-mands that normal nerve tissues should be brought into contact, and that the nerve be freed from pressure and protected from later pressure from scars The freshening of the nerve stump must be carried back until nerve fibrils can be detected. Often longitu haal incisions must be added to transverse resection in order to free the nerve from the sur rounding scar Defects from cacatricial resections are to be compensated for not by stretching but rather by flexion of the neighboring joints and by bone resections The best of the plastic methods is the implantation of both stumps into a sound nerve It is very important to embed the place of suture to a oud pressure from the sear. Borchard prefers to muscle flaps made from two neighboring muscle with pedicles so that their autintion and innervation is not interfered with They are wound about the nerve is such a way that the injured surface is tursed away from the purse.

In the after-treatment the avoidance of contract ures must not be neededted Warne.

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VIISCELLANEOUS

CLINICAL ENTITIES -- TUMORS, ULCERS ABSCESSES ETC.

hoenigal id, II Att mpts at Immunitation against Mouse Canerr (ther beth h ur leam macrung gegen Mauschrebs) Z shraill I flat i wi Pt sui sk I sil klessk 0 4 lr 1 6 By Zentzilki i d. ges Gyalk Geburah s d Grengeb

The tumors to be used for immunizat a were pre pared by the method r commended by Pohl and Wiecho ski Th) were crushed on a sterile glass plate with a patula and the plate dri de ther in a vacuum or at room t mperature liter 24 hours the mass was scraped off the tine tumor powder dissolved in sterile salt solution and used for immuniza tion Increasing doses were njected into mice and protection was always produced again t a succeed or inoculation with cogniletely virulent tumors This rotection extended over several weeks, and caused at least an inhibition of growth of the tumor as compared with those in control nim is length ened the life I the animals v coinated and often caused retrogression tumors Control expers ments showed that normal o gans prepared in the same way caused no protection aga not inoculation C Lt with tumors

Crie, G. W. The Two-Stage Operation Especially in its R lation to Trestment of Cancer A s S f Phila 9 4 k 57 B) 5 rg Gyner & Obst Crile stresses the importance f availing oursel es of the recent developments in surmal technique through which the margin of safety of the patient may be raised Patients exhausted by cancer and acute infections should be anociated and gives the benefit of the two-stage operation.

The patient who has been previously anomated has not the same fear of operation nor has his itality been lowered besides his ability to stand further operation is raised Cnle discusses methods adopted by him in cases

of cancer of the rectum stomach cervix laryar, to gue and scute bdominal infections. The mortality in cases of cancer of the rectum is

The mortality in cases of cancer of the rectum is lo ered by a previous colostomy Crile reports 16 cases without a death

In cancer of the stomach a preliminary gastioenterosismy followed by resection in two recels it advocated in cancer of the cervix at the prliminary operation. Crile advocates extensive enterization to prevent implication by the cutting method. The following day an abdomanal hyster ectomy as performed.

In cancer of the lary as at the first stage the deep planes of the neck are exposed at 9 packed with producers gazum to prevent mediastant infection and the region one saids a speed and its entrope and the region one saids a speed and its entrope in the said of the said of the said of the gazum to preve t vagats at the second distantion the lary are served. Twenty eight cases have been performed; two t ges with but a unpleriestly.

In anger of the t ngue the danger of pneumonia and infect o of the neck are lessened by prehminary cautenzation of the growth and a secondary excision of all of the glands of the neck whether they are enlarged or not.

In acute pelvar abscesses preliminary vaginal puncture is advocated in acute appendicule with a strongly valled-oil abscess, simple drainage is the method adopted unless the appendix is easily located drainage of the gall bladder in critical cases of acute cholecystatis the cholecystectomy being reserved for the time when the storm has passed

In exophthalmic gotter ligation is performed in bed. Ismore Com-

Powers, C. A. Systemic Bilantomy coals. A. Surg. Phila. 914 h 815. By Surg. Gyner. & Obst. Powers reports two fatal cases of systemic blastomy coals. The author wishes to emphasize (1) the fatal character of the disease and (2) the necessity of early wide excision of the local focus. He credits Busse 1829, with his ing finit made detailed

observation of the disease

The infection usually enters by way of the skin and is transmitted through the lymph channels. The course of the disease is usually slow anima.

progressive emaciation simple my cous, and album

inums characterize the disease The first case a male aged 42 with a previous history of pneumonia at 10 was at the age of 23 afflicted with a bronchial cough last ng one ; ar It 32 he noticed two lumps one above each cla nole they gradually enlarged and were removed months later. The sinuses he led slowly. Similar lumps appeared and were removed in 100 and toot. In oof he had an attack of saundice last g three months. In 1010-11 more lumps appeared below the saw on either side In June 10 Powers saw the patient At that time the neck was filled on both sides with multiple hard lumps, presenting multiple sinuses Radical operation on both sides was performed. The chinical diagnosis was tuber to histological examination was made Two weeks late soft lumps appeared on the ab domen and thighs and were ac sed. In total cultures from on of these bacesses ga e pure blastomy cosis The patie t died from exhaustion April o tota

The autopsy showed multiple miliary abscesses of the liver shopsons absc to of the spicen miliary abscesses if the pelvi of the left ladney — acute fibration pleurs.

The less s found man oscopically re en ry where essent ally alike the differe cess be ug appa ently due part to the stage of de clopme t of the individual lesson. The main features of the disease process can be econstructed in consider ble detail

The organism lodges first 1 sm Il essel or capillary. The endothefual cells prohiberate becoming larger and plumper and separate from the utility of the language of the language state of the languag

collection enlarges encroaching on the surrounding parenchyma which disappears leaving a supporting connective tissue stroma and caustile. The connective tissue also increases to some extent and may organize the lesion replacing it by scar tissue In the earlier stages of the lesion there is more or less infiltration by leucocytes among which plasmacells and cosmophilic myelocytes are a striking feature which serves at once to distinguish the proc ess from tuberculous Somewhat later the cells of the lesson undergo a widespread and uniform coagula tion necrosis similar to the type commonly met with in rapidly growing malignant tumors and differing from caseation in the fact that the structure of the cells can be recognized for some time after necrosis has taken place. Lesions as large as 1 to 2 cm. in diameter may consist of a causale surrounded by a narrow zone of leucocytes and small daughter lesions and containing a pasty mass of necrotic cells with httle or no it ang tissue Ultimately the dead tissue is e tensively infiltrated by polymorphonuclear neutrophiles the disintegration of which with the resulting liberation of proteolytic ferments is doubt less responsible for the liquefaction which occurs ISDORE CORN

Okintschitz, L. Reciprocal Relations of Some Glands with Internal Secretion (Über die gegenseitige Be iehungen einner Drusen auf unnerer Skreison) 1 ch f G; ab 014 cm 313

5 kreison) 1 ch f G at 914 cu 333
By Zentralbi f d ges Gynak u Geburish s d Grenzgeb
The author has tayled the effect of herese

The author has tested the effect of hormones chuscally and e permentally Young r blut those two months old and older ones the thad given borth to young were castracted some of them were then kept as cont of animals and the others injected with extracts of animals and the others injected with extracts of animals and the others injected with extraction of animals and the other injected the state of the corpus distance the same intervariant the corpus distance of the manimals and of the placents and manimals that of the corpus distance of the manimals gland

The follow og were the effects of the extracts jected Atrophy of the uterus was caused by c st ation n the young s well as in the sexually mature a smale this was or reome by hievar o arun and propro ar it was not affected by futcovar was even more decidedly affected by chorion but was ecemingly increased by mam min There is an increase of colloid in the thyroid gland afte castrat on probably less from increased glandular activity than from delay in the discharge of blood and lymph this was decreased by proprovar not affected by luteovar but mammun caus d increased glandul r function and increase of colloid Both mic oscopical and macroscopical changes in the adre als were inconstant. In the hypophysis the c w s no effect on the posterior lobe In the antenor lobe there are normally the most cosmophiles then basophiles and last basel or chief cells. The chief cells were increased by castr tion on the injection of chorionin there was a

marked increase in the cosmophile cells not as would have been expected in the chief or pregnancy cells.

I rom his experiments the author concludes that the overan hormones are produced by the follicular apparatus not by the corpus luteum and for the most part by the membrana granulosa Moreover the products of secretion of the follocular apparatus act in conjunction with those of the uterus they act antagonistically with chormonin with reference to the thyroid as to the anterior lobe of the hypophysis the chief cell are synergists the eosmophile cells antagonists of the followlar apparatus lie thinks the corpus luteum ; a gland with negative internal secretion it neutralizes toxins circulating in the organism. The results of his experiments confirm his chinical hypotheses vis that diseases due to hypofunction of the ovary such as amenorrhoes infantilism and sterility can be successfully treated with proprovar those caused by hyperfunction of the overy as menorrhagia and ostcomalacia with luteovar and also those caused by hypofunction of the corpus luctum such as the pernicous somiting of pregnancy toxicoses of pregnancy and eclampsia Marian

Cooke, A. B. The Prevention of Surgical Shock and Post Operati e Pain J 1m M Ass 10 4 isn 1777 By Su g G) ec & Obst

Coole states that it is the consensus of opinion among both climicans and laborate y workers that the loss of vasomotor control resulting in the reduction of the blood pressure below sail limits as the chief factor in the production of shock. The question then areas flow may a surpeal operation be performed so as to cause the least poss hie distubenced on the control of the cont

The principle of anoci-association are
1 Ib preliminary administration of one sixth

r 1h preliminary administration of one sixth grain of morphine and one one hundred and fiftieth grain f scopolam ne o and one h if hours before operation

2 The use of natrous oxide and o ygen fo general angesthesia

3 The complete blocking i the operatic e field by the 1 filtration of a solution of 0.15 pe cent non-ocaine

4 The infiltration of all tissue traumatized whi hare supplied with sensory nerves with 025 to 05 per cent solution of quint and u a hydrochlonde Cooke advocates filth principle namely ealy

opening of the bow is with calom 1 o 5 grain of doses followed by a purgati nem n the second

day to reheve the gas pains

Coole states that ether def stely impairs the
defensive powers, low is the blood pressure tw. and
one-half times more r pidly in nitirous oxide and
ourcrasses the coagulat o tim of the blood besides

tending to produce post-operative complications as pneumonia etc

Crile has noted that since using the anon tech nique the operative mortality has fallen from 12 per cent to 1 9 per cent and 0 8 per cent in the 12 1,000 operative cases. Excess Care

SERA VACCINES AND FERMENTS

Stresemann New Stud es of the Specificity of the Abderhalden Ferm at Reaction (Neter Later such agen über de Spezifiat der Abderhaldenshm Fermentreaktion) Il satisfie füberih Gwal

19 4 1 685 By Zentralbi f. d. ges Gynak u. Geburtah 2 d. Greszych.

In 68 cases examined carefully according to Abderhal len a latest directions there see only fave failures that is fi e women that were certainly not pregnant reacted positively with placents. The author thanks this was due to errors in technique and he is convinced of the specificity of the reaction

Lange C.: Experiments with Abderhaldens Dulysis (I rishru gr mt den Abderhaldensten Dulysner rishren) B ocken Fishr vis in, 193 By Zentralbl. I d. ges, Gynák, u. Geburish, s. d. Gennych

In describing the prepa atton of the placents the author states that placentas from diseased methor usis should not be used as they may give no to erroneous results and, so far as possible, placents should be reperted that come from mid minist with albumn in the urine as well as placentas that show numerous materia.

To awoul the loss of choronuc vills he retromeneds that the placenta he not rubbed in the mortar too long. He uses Latapes a maceration apparatus who has makes a fine crustion of the placents. Be fore maceration as much as possible of the conservative issue is remo of. The loss of specific und strate can be a conded by filtering the water in whated is washed a point to which he a thor studies great importance for it is not taken into constant too negative results may be adopted as the consequence of th

minist remain
Experiments showed that the stromat action
Experiments that catabolise blood cells just the
towned at the tent re blood-cells. The author does
not believe that the method proposed by Abdrhal
den for testing an organ for freedom from blood a
practical in fact it may of the possible to make an
organ absolutely free of blood—that is free of labodies of the blood. Its Her especially the
terrent points; teconylation of the albuma. On
another bolding with dittelled water more album
as constantly being dissolved or with sufficient
concentrations a posit or in hydran solution may be

obtained. He also takes up the question of the dadying thinbles be does not think that 'the dadying thinbles be does not think that 'the halfest method of testing them is satisfactory. He entitizes the burst reaction and recommends the use of more sensitive albiumin reagents such as sulphossippine and in testing for the passage of petines through the thinbles he recommends the use of o 1 to 3 per cent peptions solution instead of 1 per cent as finer differences may be determined in this way. Veither is it sufficient to test the thinbles every four weeks—they should be tested sires for every new expensions.

He discusses the method of obtaining the serum the filling of the thimbles with the scrum and the effect of added hæmoglobin on the outcome of the reaction. It can be shown that the add tion of hamoglobin for experimental purposes does not alter the outcome of the reaction. It is difficult to get the same results twice by following Abderhal den a directions In a test with serum and placenta a stronger ninhydrin reaction does not necessarily show catabolism but it may be due to a summat o of non pecific compone to Neither does mactiva tion of the serum lead to uniform results as has been shown by experiments with guinea pigs therefore the author does not believe that catabolism is d m onstrated by a difference in the ninhidrin reaction in parallel experiments with placents and active serum and placenta and mactive serum becaus there are a number of other factors whi h might produce such differences

To exclude error due to the thumbles he tested a number of methods of deliburations of 50 determines the office of the control
From his experiments the author concludes that Abderhalden a dialysis in its present form does not always give reliable results. With it he could not determine the specific ty of serum fe m atts in per gancy and could not find place tast ht were not catabolized by seria from patients with carcinoma and salounit 5.

Harmer T W. Remarks upon the Effects Observed in the Use of Mixed Toxins (Coley) in Certain Cases of Sarcoma Box M & S J 0.4 d v 5.3 B) Surg Cynec & Obst

Harme pe has d pon observations made during hip as f 3 ars not cases Of these 32 are analysed first accord g to that type I fascon and the according to anatomical situation and tissue I ongo. These 32 asc were all primary or recurrent independent surrounced and primary or recurrent independent surrounced and the second of
case the results were free from vitiati n by concur rent treatment. All hiving cases had been seen or heard from within three months most of them with in a month

The average age of all cases was 33 8 years The average duration of treatment was a little over three months. The average maximum dose was 11.9 min ins. The maximum dose was 53 minims.

"The author classifies the case in xx groups according to the effect of the tomas (1) Those in which there was no appreciable effect (2) those in which there was no appreciable effect (2) those in which growths disappeared but represented to the practically disappeared but returned (4) those in which growths disappeared but restances and tancounty occurred (3) those the three properties of the properties

The apparent cures include (1) fibrosarcoma of the apparent and ethnoid (3) mant cell sarcoma of the antrum and ethnoid (3) mant cell sarcoma of the antrum and supernor manila. (2) large spundicul sarcoma of the ethnoid (4) small round cell sarcoma of the antrum and ethnoid (5) small round cell sarcoma of the antrum ethnoid supernor max illa, posternor septum and masophatynx and (6) gant cell sarcoma of the spur three have remained apparently well since the conclusion of treatment 3) ars, month 3 years months 2 years months and 1 year 1; months

hathalogus study of two closely hing tumors in one indyndral one untreated the other treated showed that the treated tumor was apparently destroyed by an inflammatory process and that the act on of the tozans in this case must be considered local rather than systemic. In other cases on the contrary in which growths were inaccessible injections at a distance hase produced apparent cures In such cases the action of the toxins must be regarded as systemic.

Harmer concludes from this study that although the det rm nation of the increment of dose and the interval between injections requires some experience even after considerable experience this method of treatment is uncertain. It is so uncertain and so distressing that its use is unjustifiable in any case in which operats e measures of reasonable safety offer possible hope of removal. The percentage of apparent ures may be regarded as varyi g from 0 s to 88 The study suggests that toxins offer no expectation of benefit in cases with multiple mela notic growths and in cases of mixed cell growths It suggests that they may be legitimately tried in cases w th single melanotic growths a d that they are apparently of alue in ases with sarcom ta arising in the nose and accessory sinuses whether spindle-cell grant-cell or round cell. The results of operative treatment of true grant-cell tumors are regarded as successful so that toxins are not advocated Their use is however considered warranted n those cases such as grant cell tumor of the spine

in which the growths are so saturated that complete surgical eradication is impossifie and in these cases he believ a that the attack should be primarily surgical followed immediately by toxis tratment

RLOOD

Fost r G S.; The tailing tup. S g Grac & Oil 1,4 ust 123. By 5 rg Cy et & Oist The idea brought forward is one partially sug cested by Lane in his clinic at Guy s Heydrid. The y term as carned out however prevents a new phase of the nuncine and brusdens the scone of

usefulness
I outer recommends is use in all general surgical
with I rile purpose of avoiding book surplying
flut dimexics we amount luring the oper two and
practically chimacing pt and their womiting

In this wing lifty g netal surgical cases carefully tabulated only one case of post-oper tive comiting was found and even in this single case

th am unt was don't

The printerple of the saility up is to allow normal salt solution to memperature of 100 to 100 wm in timout ly into the loose tissue of the saille. The solution is contained in a reverour placed at a proper freight to perm I atm phere and olume roses. The day is a saille the project. The day I must solve and the rule part of which is tooked in a list in manifer surer 100 the part of which is tooked in a list in the manning sailer lept a tate inperature of 100 ft. It to doing man not the place suddenly. This tub rig divides into a 1 at the ends I which are collarary hypodermochysis needles; I man the proposal manufacture in the sail and the proposal of the sail and the proposal of the use shi high lectors give results.

The amount of it id age ted atus from 40 to 140 oun es. The strictest ascille precautions are authered to in every d tail. The name authory sup has been attach d to this procedure by the author

who sums up as follows

I lost-anasth to omit ng is climinated

2 Surgical ho L is ruled out 3 Hood rmain or oth r timul tion i h leed

4 Freed on from pain and ga is n ti abl

6 h.g. lar and full reliac action is mainta ned 7 Th. Murply drug is n. t. a necessity yet should

not be f rg it a

b. The pats at ret ra from the operat ag room
ta better (1 al c ad tion than wh a they atter

o t was I should be b pt it b tructed re-

spiration how ver t wil not occur unde the trined eye

Satterlee H S and Hooker R S The Fu ther

Satterlee H S and Hooker R S The Fu ther Der I pri ent of an Apparatus for the Tr ns fusion I Blood S I G Ob! 04 135 By Surg Gynec & Obst

The authors describe in thod and app ratus for direct transfusion of blood through the agency of in intermediate recept cle which is the plactical out

come of previously reported experimental work. A thin walled gold cannula having a snurly fitting obturator is used in the donor a ver with obtarat r is introduc d through a small inc. sion in the ve sel wall and this serves as a protecti e sheath through which when the obturator is with drawn the metal tip of a paratio haed pipette to insert d dure thy into the blood tream of the donor without coming in contact with the wounded vesselwall The blood is removed from the donor in the manner e ch pipette has ng a capacity of 200 ccm. and is carried to the rec in al where it is kinered through another cannula f somewhat similar construction Both the lonors and the recipents cannulas are conn cted by means of a lateral arm with a reservoir of physilomeal salt solution so that their interiors are automatically tilled with an outflowing it am I the salt solution during the brit intervals required f r biling the objurators for the; pette or incerers. This prevents the blood in the vein from entering the cannula prevents the nos bility of air embols m and at the close of the operation provides a ready means of infusir salt solution into the d nor a circulation to tenlace the

blood which has been tal, n a a)
The a hantages claimed if the method acc
1 The liberation of thromboplastic substance

1 the carried blood is manimed by pre-enting
laintage tion of platelet through friction and
contact with moset abide for ign urfaces, and by
preventing contain natt a from wounded tions

2 The preparati n of the donor is and respect

blood exacts with cannulas : site, so that a success ful tr of rof blood is practically assured in ad arce ? The possil lity of its employment in an emer

gency by a single perator

4. It pro ides an ample margin fasfet; in the
oagulation time of the carried blood in lung baste
unnecessary a fallow; githe do or and neighbor
to be I separ te rooms f desired.

5 Th appea atus a adapted for use either 4 th paraff or with his udin as a anticogulant. By the hiru lin method only minimal amou its of this ubstanc are requed the fleet being obtained by mply setting the inten r of the piette scala colution of hirudini salt solution and pouring off the areas of this shad just pre-oust. **

BLOOD AND LYMPH VESSELS

Philiponics, J. Röntgen Treatment of Tuberculoals of the 1 jusph Glands (Be trag. Rö tgen the pie de L. suphildt en tuberk lose). If st if Il ket is q t 1 05 B. Zeutnibl f d. ges. Char. Grenzgli.

Phipponics operator at on Isselburga Inner ports 6 cases of tuberculosus of the hymph glands tre ted with no igen y and confi ma the already well known f orable effects of thus treatment on the local as well as the ge real matu on He has f d the fullow g technique the best H limb water-cooked tube 13 m diet acc th alums

aum filter 2 to 1 mm thack if the skin is very sen aum e filter of tinded on papers as also used 1 meson trays are excluded. One crythema dose was guen at each stiting. The hardness of the rays at 8 to 10 Benosit. As a general rule, the intervals were S days of there was pain at the diseased the intervals were lengthened to 24 to 27 days. Skin reactions were never observed. On an archered of the traitment were necessary making the duration of the treatment 4 to 5 months.

According to the author's experience routgen treatment should become the predominant treat ment for tubercular lymphoma and should cominto much more general use than it is at present

NSTA

ELECTROLOGY
Holmes, G W: Some Experiments in Standard leation of Dosage for Rongen Therapeutics.

J Rongens 19 4 205

B Sur Crace & Obst The author bein, unsati fiel with present methods of measuring X ray desage has conducted ex peruneuts to determine whether the chemical and biological effects of the \ray bear a fixed relation to the amount of electrical energy put into the tube He used an apparatus giving a non-flu tuating and measurable voltage of any gradation between 10 and So kile volts The attempt was to find the lectrical energy at the tube termin is which would produce an erythema of the Lin t known distance in a known period of tim He h i this en rgy to be the same for all tubes having target of the same material regardless of the acuum of th t tube Uso it is mmaterial whether the n rgy is produced by a high voltage and low amperage or a ce tersa the wattage being the fact r which d t r mines the dose. Thus the author to do the same chemical and biological flect f astrace with 40 kalo volts and 5 amp as with 80 kal olt not 2 amp at the sam d t no and for the same period of time. This is in direct ontradi tion to accepted opinion as it is generally believed that an eryth ma will be produced quicker with low vacuum tube than with a high vacuum tube milliamperage dis tance and time of tre tment being the same. The author produces an 13 them f the skin with his apparatus tube t distanc of so inches from the skin in 1000 kilo volt miliampere-minutes result is practicall the same whether the oltage its The penetration of the ray given off is of

Comparisons we made between the author; method if m u ment and it Sabourand pastille. The latter was found to rd likis than a dose when live of the weak of the weak of the weak long working was used Th uthor emplair. We have all known fact that it Sabourand pastille is only accurate f these limids in penetration, 6.0. 7 H no t The author or ladde that the rabbanged by his mathod seem more accurate 2... brained by the sealy applied than a y the W W Gerry.

course d ff rent for ea 1 reading

Abbe R The Lifticiency of Radium in Surgery Ohio St M J 1914 x 461

By Surg Gynec, & Obst.

Abbe gives his estimate of the efficiency of radium treatment after eleven years experience. He believes

treatment after eleven years experience. He believes that radium is not a destructive but a constructive force and he says of it. This is a stimulating force recognized first in its effect on plant life and later brought into use to explain some of the phenomena of its influence on tumors.

of the interior of control of the co

The selective action of radium is proved by results in treating.

r Mist ut's come Of this thee his en cared cases some of which had been previous treated by Rontgen rays without res. he really disappeared under radium treatments.

3 Ro nd-cell's rooms of the farmed beer. He cities a case of a tumor the sare of a mass hand which was cured by the mentant of a sarer take containing 100 mg radium, tancin the timor in two places the tube remains of mass of the bours nearch place. The tumor was near hace months all but the thickness of sanet place which showed a remnant of the same read, trainfly last?

foliated of the rectal muc ous membrane r old be treated by rad um be ore they extend into the walls

f these viscers they call be cured.

Im no the large number of hopekady also call

cases which has cheen sal matted to radium it at must at it no small tribute to radium apout to able to say that one it is of these acts. Cross shows I retar latten and one third in time added to the expectation of it is.

R I uman tasper Itsation is, and the arid und perhaps aquarter of anirch I foeder y large ma see many tubes must be place I throu by the tumor. This is a rin will be fundered by metro and me to free to arma-near serios, and food well by an idea meral and some translaminestime the meral meral advance. Thus and food well by an idea meral and share the same that and and by leaving a similar in much many and and the perhaps and and by the same and and by the same and and by the same will be a figure to the will be and after the candid artery. This remnant was reacomized and the total in the beam of the candid artery.

The most lefante good firet of rainum is the blocking of all vessels nour hing the growth by a process f i fart site, a shown in a plary r argument u next chief the

Abbe belie es that not the sea t important to play iby rachumi muts peculin fluene ne u tetr grade in byperir ; his gland for at ucture lik cteeppercondenct teat make demyl burgets narut da 1 Then less the proortant fell of its metaliess. He states that he has to ted half a hundred got to of all attet a ly a lum alone and has seen omplete duaponarance n a f w asea. and ch hed the gr with in ma ; if it nks the ideal it air in f r most troublesom ares is there ic t my I t that there als gep of rtio a star and a oth s not g the an ped or who ar u fit for urgery wh w id be betefited by advant to atment t nt 1 Houses

ton lieshberg Laperience in the I e timent of Malign at Tun ere with flash in all Rounders Raign strip for 1 | Rehandlung malgar for ere m Raign und Rontg at hir) Dr & al & f & a. | Charles of the Control of the Byde | Bul i get Ct r | tenag b

with the most of ly igneent of the effect of adjum at afge 1 not be lemed that it has bee obtained so ne 'ef's 'fpr ag Ralothe pot ne ftl min tt trg problem free at y are at all pay organito whith cannot be mad f som a rate on phylact urnel to n the lum that the tre Iment after n frtion t orline une ce ha ently been f gr at lu min av In of the milet per ton i r nema of the poet Jaw it certai ly had m & i flect

In a case of car t om of the tague recurrence was probably hast n f nt ascarth use fradum had no effect it he like section us the purposts only in more able t more the like re-

the most favorable in basal celled carrie of a quantum there were a ricely rice. He also had good it uses in a carrinoma of the torgoe on a round of the sark a and in a carrinoma of the there. I all find the refugorable

One cannot be certain f recovery for a lo g me for in some cases all I a temporary mprovers t the turn regrew none I carrie ma of the rectum that had been to at I with rate m could not be I und n aut nov but there were metastases in other organ as well as a perforation of the small intestine from all n I two hops fintest re dae to It effect of the radium. The author was similar by effects of 12 i um in three or i ur cases i car cinoma of the so hagus. In all the cases there was impr ment insider a the steams blate! but in three cases there were secondary to tractions also that c weed by the carcinoma, which are due to raisem burns. The technique of sall otherapy must th tir be markedly improved for the cileat of tal n is not elective it destroys not ny diseased but Lealthy tissue And when a tumor ranted be per ted upon surger lly on account of the mate beauta to important rgans, I cannot lett ted with r hum other. I reasonple a vessel pass a through a turner will be distroyed by radium, and bemusthere will follow the points I also the acte e a heard caused by beorption after to hum er diation and the lift rences in the reaction of I firrent Linds of tumor to rad um further pris rest can be made only by improvement in tech raque and determ nation of uttest douge. The uthor he also tr ted many tumors the routpen by it is too prophlacte relation after oper tion has had by good results. I pursual tumor of the testi le hat here oper attel on its metastars in the blumen which despressed und t the act on of routge tays. Large doses must he weed not care hould be take to accord ; pures of the skin Rontgen tay should not be used as a substitut for pe at n. Thy hould only be used in inoperable ases or for pr phylactic treat

ment after yer inon

We next, i Vangde urg eport do o cues
when he most radorberapy. The creal in
every comparison of the comparison of th

Williams, of Heidelberg tasted that prophylactic industre app accused to go e ellent results, and that metastases in the glands seemed to be specially adapted to arradiation because they offer partic ularly favorable conditions for autolysis.

SPALITZER, of Vienna has treated a large number of cases at the Vienna general hospital with rontgen rays alone and points out that only large do-es are successful. Operable tumors should be operated on KENSSER of Jena reported favorable results of

radiotherapy in two cases of sarcoma

THEN LY of Cologne thinks it doubtful whether the effect of the rays is elective as different kinds of

carcinomata react very differently to the ravs MULLER, of Rostock, proposes to follow the old custom of peaking of a carcinoma as cured only

when it has been free from recurrence for five years kabyic of Freiburg pointed out that gyne cologists treat operable cases also with radium and rontgen rays and that noperable cases may be rendered operable by radiotherapy

successful results and prefers tontgen rays WERNER of Heidelberg reported 256 cases of carcinoma treated with mesothorium. In super

ncial carcinomata there was improvement in 88 ner cent in deep tumors in 40 per ce t \mong 37 cases of carcinoma of the stomach a remained well for longer than a year after deep pradiction. Of 17 cases of carcinoma of the ersonhagus 10 cases

were improved for more than aix months only one for lo ger than a year

HEXMANN of Breslau report il monerable cases of carcinoma of the uterus treated at the Breslau chinic and described the technique in use there They use a combination of high doses of rontgen ray and mesothorium Also in inoperable cases of carcinoma of the cervix which were prepared f r operation by irradiation the putrid discharge was stopped Therefore the prognosis of this treatment has become better

WARNELROSS of Berlin reported that in Bumm clinic as they did not ha e the necessary amount of radium f r successful radium tre tin at large dosages of rontgen rays were used with good results Even with large doses there was no skin burned

KRAUSE of Berlin t ted that in Be clinic prophylactic r ntgen treatment afte oper tion was used with especially good result in carrinom f the breast In two cases there was recurrence at a place the rays did not touch

PERTHES of Tubingen reported a case of car cinoma of the lip cured by toptgen rays in 1001 It has been under observation for more than five years and th re has been no recurrence

Heinevear f Worms st ted that in his opinion there is a gre t diff rence in the biology of the different kinds of carcinom a d the good results obtained in one kind of carcinoma cannot be assumed to follow in other Linds For example in autopsies on women who have died of carcinoma of the uterus it has been found that in third of the cases there were no metastases Perhaps that is why the gynecologists ha reported such good results from radiotherapy while in 97 per cent of

the cases of carcinoma of the mammary gland there is involvement of the glands of the axilla and generally an infection of the entire mammary gland and of the lymph yessels traversing the pectorals In these cases only radical operation is effective

VON FISHISBERG of Vienna also pointed out the necessity for amoutation of the breast in even the smallest carrinoma KATZE STEIN

MILITARY AND NAVAL SURGERY

Sanitary Service and Military Surgery on the Hospital Ships during the Campaigns in Lybia and Maa (I servizi sanitari e la chirurgia di gue dura te la campagna di Lib a d'Egeo sulle na i

ospedale e negli ospedali dipartimentali) Roma

Ministero d. marina, 0 3 By Zentralbl f d. ges. Chir u 1 Grenzgeb The two hospital ships The Ling and The Queen of Italy were most thoroughly prepared for the treat ment and transportation home of the sick and wounded the operating rooms were models-ront gen cabinets bacteriological laboratories etc being provided Some of the wounded were brought on board immediately after battle some a few days

later so that the ships served as places for the first dressing of wounds and also as field hospitals. Four hundred wounded men were treated on the king of Italy and while it would be impractical to go into the details of the histories of the cases, the following points brought out by Chief Surgeon Rosati may be mentioned Only tincture of iodine hydrogen peroxide and ichthyol glycerine were

used as antiscptics

The treatment of wounds was extremely conservative even when there was extensive destruction of bone Among the 400 cases there were only three amputations, and the results were excellent. Gun shot injuries of the skull according to Rosati cannot be operated upon quickly enough in perforating initines of the thorax all operation is contra indicated and in gunshot injuries of the abdomen laparotomy should as a rule not be performed because severe cases cannot be operated upon soon after the injury on account of shock and slight in sures get well without operation The question of lanarotomy must be decided in each individual case

On the Queen of Italy 323 wounded men were treated the results here too were excellent and the surgeons \accam and Cresps followed the same general principles as Rosati Operation should not be performed in hamothorax u less there are alarm ing symptoms such as compression of the heart or lung on both sides in bilateral injury puncture is

particularly to be avoided.

The authors also believe that operation should not be performed in guashot injuries of the spine as it does no good the prognosis is bad also in perforat ing abdominal injuries Only Italian soldiers were tre ted and the wounds were inflicted by the lead bullets (Mauser) of the Arabians The injury to the soft parts is greater with these bullets than with the modern sacketed bullets

GYNECOLOGY

DTERUS

Poucher J W Two Cases of Advanced Cancer of the Uterus, Apparently Cured by Post Opera the Infections. Tr Am Al Ohit & Gy α Buffalo, 1914 Sept By Surg Gynec. & Obst

Poucher reports two cases of adenocarconom of the uterus us which the disease had advanced until the uterus was soft and brolen down and it was found impossible to remove all the affected parts in both cases operation was followed by profuse sloughing and suppuration. Both cases recovered and have remained well since — one six years and the other two years

Dobbert T: Results of the Treatment of Cancer of th Uterus with Radium (Egybause der Behandlung des Gebarm terkrebes mit Rad um) S: Pderib med Ziskr 1914 zunz 97 By Zentralbl. i.d. zen, Oynak u. Gebutah. d. Gransreb

In the course of 4 months 44 cases were treated with radium among them at of cancer of the cervis The stradiation was accomplished with three tubes containing 53 45 and 58 mg radium bromide containing 53 45 and 50 mg radium ordening.
The filters were gold brass lead aluminum and salver capsules. The greatest period of application at one time was 24 hours. The total duration of application was 6000 to 000 milligram-bours Of the 3r cervical carcinomats 18 were inoperable 7 barely operable, and 6 operable. Subjectively, there was marked improvement in the general condition Objectively there was rapid disintegration of the cancerous masses i r the most part w thout loss of blood The infiltrations a the pel ic cellular tissue were less favorably influenced In only one case was complete disappearance of the infiltration ob served. Microscopically the characteristic structure of carcinoms was no longer found after irradiation but there were groups of pon viable cancer cells of varying sizes The treatment of some of the ases is not yet closed

The author draws the following conclusions from the expenence (r) Beginning cerv cal carcinom to may be tre ted by radium before operation () In advanced cases because of the uncert inty of advanced cases because of the uncert inty of any and operation is to be preferred (3) I operable cancers are the best field for radium the any (4) tery far advanced cases re not adapted

to radium treatment

Percy J F: The Treatment of Inoperable Carcinoma of the Uterus by Application of Heat.

Hed Press & C r q 4 2 65 mg 65 nec & Obst

The author discusses the work done by v our experimenters in the use f heat as n agent to

destroy cancer-cells II what \(\text{Unial and other asy is true it is a rational procedure to stitude on cer with heat.\) Percy suggests a practical system of applying heat in otherwise inoperable carcinosa of applying heat in otherwise inoperable carcinosa of the process is at all accessible the method has almost process as at all accessible the method has almost on imitations. The required apparatus is not only

easily carried but is also inexpensive

Percy uses an electric heating troa which is perfectly regulated by means of a rheostat Wall this iron and his water-cooled speculum and vaginal dilator a maximum penetration and dissemination of heat are obtained in the involved structures More than this, the low degree of heat which his experiments show to be more effective than intense heat can be maintained accurately. This degree of heat does not burn up the cancerous mass, but merely makes it so bot that the hand of the surgeon encased in a medium weight rubber glove cannot hold it When this degree of heat is reached and maintained for from ten to twenty minutes the cancer-cells are absolutely killed while the normal tissue-cells are not injured. The important thing is not to convert the tissue into charcoal. The charcoal thus formed inhibits a further dissemina tion of heat not only through the cancer mass but beyond Moreover drainage is prevented for a number of days This perm to the absorption of a larger quantity of broken-d wn cancer cells than the average of these patt nts can tolerate many them die as a result I this mistaken method of applying heat

The firsting iron when used through the rait, cooled speculous, should not be her enough to scort a piedget of white cottom if laid on the hetings iron een for half an hour \(^1\) s smoke and so smell of burning tissues should sau from the specime, as would occur if they see being exhounted The ear placed near the speculum should here only agentle summe or b bluing while the heating tentle storem or be bluing while the heating

head ; in the diseased mass

C neer is destroyed when the temperature a the mass a raised to 50 to 5 C and the ritabily of normal lisables is not hanged until the temperature exe ed 55 t 66° C. The bases idea then of this treatment is not causteration but the production and dissemination of heat the gross primary mass of cancer.

The uthor states that I not al 3s best to attempt to destroy i he setting la ge mass of carcinoma. Il strongly dues g not the we of the curette or oth roperar in assur for the reason that the hast I induced through the medium of the pathological overgrowth Heat does not recovering the extression of metastace while the curette and kinfe do Again scar uses when the curette and kinfe do Again scar uses so to formed after the use of the curette but it is the usual sequel after the application of heat The author has jet to observe the redevelopment of cancer in occational usus. Vo statistics are men usued as they are reserved of a same L. Consess.

Childe C. P Abdominal Panhysterectomy for Carcimons of the Cervix Uteri B & J S &

operation
As a prehimmary each case is examuned under an
anasthetic the carrival canal being dialated it
necessary to locate the cancer. The motitary of the
uterns the infiltration along the parametrium the
mightation of the bladder and rectum and the
susdom of recommending the operation are thus
ascertained A portion of the growth is obtained
If a growth is found in the agina it is thoroughly
curretted and the carty of the uter gone over with

operation with the object of reducing the primary mortality. It is a modification of the Wertheim

the Faquehn cautery
About one week later the second operation is
performed. This consists of a vaginal said abdominal
stage. The base of the ulcer is curretted with inserting
the control of the control of the control
stage of the control of the control
stage of the control of the control
stage of the c

scut across not a cuty or non-Werkens bust up.
The abdomand as the ownan essable are tued the round ligaments crushed the urters solated, and the uterns acrossed. The bl dder and rectum are separ ted from the cervy; and vagua until a couple of raches of vagual tubs are dended. The remainder of the open couples are now used. Those the property of th

blade. The clamps are left on The vagnal pack is withdrawn and the vagnal clamp similar to that show described applied. The vagna is cut across above to attent removed. Paquilum's cautery is then applied to the cut edges. The clamps are removed and the pentioneum is closed in the usual manner Four ligatures only are employed one for each ovanan and each uterine activity.

The following advantages are claimed for the

t It greatly simplifies the most difficult stage. The parametrium needs no ligatures

The operation is shorter
 Clamping and cautenzing is a safer hæmostatic method

4 Cancer cells in the cut edges are destroyed.
5 No tissues are strangled in a ligature and the
pelve wound is in an ideal condition for rapid

During the past twenty months the author has During the past twenty months the author has operated eighteen cases. In no case has there been any hemorrhage. In the only fatal case the rectum was implicated and was opened during operation. The operation was long and the patient died of changition in twenty four hours. The post mortem

showed no hamorrhage Primary union took place all but two cases, but both pat ents made good recoveries to vaginal douching was needed.

COWARD L. CORNELL.

Nagy T: A Sarcoma of the Uterus following Infectious Granuloma (Uber en Sarkom de Gebà m tte tsanden uf Grund einer nicktsosen G anulombildung) A k f G ak 914 cu

By Zentralbl. f d. ges Gynak. u Geburtsh s d. Grenzgeb

A short critical review is given of the different nethods of classifying storomata. A detailed description is given of the clinical microscopical and macroscopical findings in a surrouns of the utierus, to the differential diagnosis between tuberculous and syphiss, the author decided in favor of the latter because ande from the fact that there was no typical tubercel formation there were more plasma cells than epithelial cells and moreover in the be recognized and there were no same of cuestion

be recognized and there were no signs of caseation After reviewing the scanty literature concerning tertiary syphilit c diseases of the uterus the author comes to the following conclusions

I Tertiary syphilitic disease of the uterus is characterized by plasms cell infiltration of the muscle-tissue endovascular and pervisscular proliferation Langhans grant-cells and extensive issue necrosss

2 The glandular epithehum of the uterine mucous membrane may be replaced by many layered non horny pas-ement epithehum of being character which can be explained only as having ansen from inducer metaphasa. In these processes the syphilitic disease plays only the same etiological.

part as any other pathological process that involves disturbance of the tissues.

3 The endovascular proliferation of the intima may undergo mabguent blastomatous transforma tion and tissues may then arise from it that in accordance with the law of specificity in tumor formation present the picture of angiosarcoma.

Jansen II Connection between Myoma and Carcinoma of the Body of the Uterus (Ube gleschzeitiges Vorkommen von Myom und Korpus cartinom am Uterus) Petersb med Zi & 1014

grat 116
By Zentralbl. f d. ges. Gymak. u. G burtsh s. d Grenzgeb. Statistics show that carcinoma of the body of the uterus is much more frequent in the magnatous than in the non myomatous uterus about three per cent in the former to two per cent in the latter also that the proportion of carcinomata of the body to those of the cervix is much greater in the myoma tous uterus Therefore there must be some connec tion between myoma and carrinoma of the body of the uterus. The view that has been most held beretofore is that the myoma causes endometrice changes in the mucosa of the uterus which forms a favorable ground for the development of carcinoma the so-called adenoma diffusum was regarded as a characteristic affection of the mucous membrane in

m) oma From a study of the manifold and frequently contradictory histological findings in the older and the more recent literature the author comes to the conclusion that there is no form of endometritis that is characteristic of myoma. In the majority of cases to be sure there was a more o less hyper plastic condition of the mucous membrane but a recent work of Ivase is of especial significance he points out that the hypertrophy of the mucous mem brane in the myomatous uterus is, to some extent a product of the hypersmus caused by the myoms and the more energetic growth of the mucous membrane because of it but that it is also a part a esult of the phase of menstruction at the time the examina tions were made. At any rate we must give up the idea of carcinomatous degeneration of an adenoma diffusum caused by the myoma. The only thing that can be deduced from the statistics is that myoma favors the development of carcinoma, because of the hyperamia caused by the my ome and a chronic inflammatory irritation

Leiars, F Prometra and Abscess of the Uterus (Pyomiline et abasés d 1 térus) Seme as méd

9 4 3331 29 By Zentralbi. I d. ges Gynak u. Geburish s d Grenzgeb Two kinds of abscesses of the uterus can be distinguished those of the avity and those within the walls. The former are what were riginally called prometrs. They are always caused by atresta of the cervit, which may be congenital o acquired. The retained blood or secretion becomes infected The most frequent causes of tresus in later If are the so-called semic stresses m) me and carrinoma.

Occasionally endometritis may cause objituration of the cervix because of swelling of the mucous membrane inflammatory adhesions etc. All these forms of prometra develop very slouly but may reach considerable size and occasionally may rupture into the neighboring organs, or in the norst cases into the abdominal cavity. In old nomen secondary changes in senile prolapse often cause pyometra. If gas forming bacteris gain entrance py ophysometra follous

Mistakes in diagnosis are very frequent hence inappropriate methods of treatment are chosen such as abdominal or vaginal total extirpation Prometra may appear during the purperium if so, it is generally in the form of intraparietal abscrace and in very severe cases may lead to the so-called metritis dissecans. During the puerpenum multiple small or solitary large abscesses may be established in the walls of the uterus. Trequently abserts of the uterus is associated with perimetritis or parame tritis. Thrombophlebitis of the uterine or hypogastric vessels is a severe complication LACOP.

No ak E. The Pathologic Physiology of Uterine Bleeding J Am M Ass 0 4, km, 617 By Surg Gyner. & Obst

Novak calls attention to the fact that up to the present time the study of uterine hemorrhage has been almost wholly along anatomical rather than physiological lines. Heretofore, speculation and indefinite conjecture ha e been the outcome of most of the investigation as to the physiological causes of uterine bleeding

Following are the most important points in the author a summary

Menstruation — a physiological phenomenon - should be the fundamental starting point in a study of the causes of pathological uterine bleeding The factors concerned in normal menstruction

An ultimate cause situated in the ductless gland chain - the overy being the most important in this relation b A nervous mechanism essentially vasomotor

in character c The pelvic organs particularly the uterus

and its liming membrane 3 The causes of abnormal utenne bleeding

may theref re be grouped as a Fundamental avol 1 g disturbances of the

ststernal secretions b hervous, exerting thes effect mainly through

the vasomotor nerves c Anatomical n which the structural changes

are present in the uterus or other pel ic rgans There is good reason to believe that m ch 4 There is good reason to believe that it ut one bleeding by cl aical methods of study bich are based upon the relati n known to exist bet cen the d ciless gland apparatus and the vegetative (ympathetic and craniosacral autonomic) nerve HA VET B MATTHEWS.

kelly H A and Burnam, C. F : Rad um in the freatment of Uterine Hæmorrhage and F brold Turnora J im M Ass 9 4 By Surg Gy ec & Obst

kelly and Burnam divide pathological uterine bleeding into four groups, as follows

z Bleeding uters without demonstrable lessons the so-called my opathica hæmorrhagica

2 Bleeding uters in young gi ls — the cause of which may fall into those in group one or three 3 Bleeding uters from polypoid endometrium

e polypoid endometritis Bleeding myomatous uteri

The four groups of cases have received radium radiation according to the technique as planned by the authors and a table of their results for each group is given

From their studies thus far with radium the following conclusions may be drawn

In the classes of cases cited radium completely and permanently controls uterine hæmorrhage

2 The rays have a specific and direct action upon abroid tumors, causing them to disappear completely or be greatly reduced in size. Furthermore it does not destroy the ovaries

3 Radium can bring about a complete ameno

rhoes at any age

4 The menopausal symptoms which follow the amenorrhora are absent in 50 per cent of cases and mild in nearly all of them

5 Intra uterine radiation in contradistinction to cervical o aginal is the method of choice Abdominal radiation in conjunction may add to the rapidity of the results

6 Radium radiation is preferable to surgical

rocedures in the vast majority of cases — If radium fails surgery may have a ch nce and there can be no harm in the waiting 7 Radium is preferable to the rontgen r y

simpler of application acts more rapidly nd t acts on the uterus with more in tensity than upon the o aries HAR EY B MATTHEW

bered 3 and Lemaure 11 Treatment of Dyamenor

thera (Behand) ng der Dysmenorrhoe) [III II m d Zig 0 4 hx 00 By Zentralbi f d ges Gynal Geburtsh a. d. Grenzeeb

The uth discusses the treatment of the different forms of dy me orrhera as follows

I During the attack he dvises hot baths 38° to 38 ° for 30 to 4 minute f necessary two or three t me in 4 hours rest n bed soothing polications to the abd me wet hot complesses suppos tones of belladonna chloral t pyrm or laudan m find trait of se ecan ordrops every ne or two hours

g puberty a simple d et s recommended F t and highly seasoned foods game mussels sea food t coffee and al holic drinks re forbidden In many cases o ga otherapy advisabl t act and extract I corpus lute m combined if there is insufficiency of the thyroid with thyroid extract - 0 005 to 003 if there is hyperthyroid ism and slight insufficiency of the hypophysis with hypophysis preparations.

3 Ovarian dysmenorrhoea in mature women is treated by ovariotomy or resection of the diseased

OVAFICE 4 In women in the menopause apiol hamemelis virginica hydrastis canadensis viburnum prum folium piscida erythrina and cannabis indica are used

5 In dysmenorrhota of uterine origin from aplasia and flexion of the uterus polyglandular treatment massage and pelvic gymnastics are beneficial Sometimes dilatation with laminaria tents is used Sometimes hydrotherapy and thermal

baths and sometimes operation are resorted to 6 Membranous dysmenorrhoxa is benefited by the insertion of methylene blue powder in the uterus and after dilatat on painting with sodine or curet

ke fler H is There a Myometrial Gland in the Human Uterus (E iste-t il und une glande myométrial dans l'uterus humain)? A n. el b ll med et nat d B ux 1914, bent 26. By Zentralbl f d ges Gynak Geburtsh a d Grenzgeb.

Ancel Boun and other in est gators found a socalled myometrial gland first in the uterus of preg nant rabbits then in guinea pigs and in rats and mice keiffer then undertook to find out whether one existed in the human uterus. With this in view when performing casarean section in 7 cases he cut small strips from the uterus along the in He found that the cision and examined them modifications in the smooth muscle fibers were similar to those in the pregnant guinea pig s uterus. and that they appeared and disappeared at the same period of pregnancy as in rabbits guinea pigs. and other animals The process of degeneration was a cytoly sis WEINER

Jacobs Gen tal Prolapse (Le prol psus génital)

B ll Sec brige d g & l d'ob l o 4, 400
lly Zentralbi l d ges Gynak u Geburtsh a d Grenzgeb

In genital prolapse in agreement with Martin s work the author also distinguishes a suspending and a upport g apparatus and attaches the greatest mporta ce to the ligaments while most authors attribut it to the muscles Rectocele is regarded as a consequence of weakness of the rectovagunal Defect eness of the suspensory apparatus is

mamfested as () cystocule and p olapse of the bladder in which a successful operation besides narr wing the tagina must supplement or strength en the trophic tissue (b) herma of the vesicouterine pouch and anterior vaginal enterocele in which the operation consists of the pushing back of the excision of the peritoneal sac (c) prolapse of the uterus seldom ppearing alone but in conjunction with cystocele a terio and posterior enterocele

and rectocule and (d) herma in the recto-utiline pouch rarely alone but generally in connection with descent and prolapse of the uterus - in severe degrees there is also prolapse of the posterior wall

of the varias.

2 Defectiveness of the supporting at paratus is manifested as (a) prolapse of the posterior wall of the vagona which is treated by excision and suture (b) elongation of the certix in which the os is suble in the vulva and finally there is total prolapse metritis and hypertrophy of the whole uterus -rhaphy (c) secondary prolance of the bladder and uterus in primary failure of the suspensory liga ments -- any form of myorrhaphy being generally in vain here on account of the atrophy of the heaments.

3 Rectocule due to weakness of the rectouagenal septum. In this no method of operation not even suture of the levator can replace lost tasue Resec

tion of the prolapsed part of the rectum can be tried The conclusions are that the chief part of the work of holding the genital organs in place falls on the suspensory apparatus as both su pensory and supporting apparatus are generally deficient com

Posme

Hance T B: Retroversion of the Ut rus, and the Sling Operation Ind M Gaz 9 4 hx 63 By Surg Gynec & Obst.

bined methods of operation are indicated

The author ad ocates what is known in this country as the Webster round I gament operation for retroversion from any of the following causes puerperal inflammatory or me hanical sling operation is often combined with shortening of the uterosacral ligaments and the ovarian ligaments

The puerperal cases may be corrected if rec ornized within the first six weeks following labor without operat on by the use of an Albert Smith or Hodge pessary and uterme tomes as calcum Should recurrence take place lactate or ergot after a two months trial operation is advisable

The mechanical cases of retroversion may arise from chronic constipation a bladder chronically overdistended or some abdominal or pelvic tumor Brief case reports of 29 cases helped by this opera tion done by Bell are given at the end of the article

ELGENE CARS

Wallmoth A. D Prolapse of the Uterus and Its Treatment Ls ed Cl s 9 4 celu, 9 By Surg Gynec & Obst

Willmoth emphasized the fact that the uterus is not supported and held in place by ligaments, but that it is supported by the entire privic floor of which the ligaments are only a part

The uterus is a balanced organ a d can be displaced if the weight of the uterus is increased or the carrying power of the supports les ened or where adhisions cause traction by pulling the uterus backward or by increase of the intra-abdominal pressure or by sudden force as from a fall causes an acute prolapse Unother class of causes in traction from below as argual cicatrices, fall of the pelvic floor abnormally short vaging from any cause and cervical and vaginal tumors

The descent of the uterus is of three degrees The first degree is where the interus is found in extreme retroversion

The second degree is where the cervix descends to the vulva

The third degree is where the uterus protrudes partially or wholly from the vulva.

The development of prolapse is insidious and the symptoms are usually referable at first to other organs as bladder rectum or pains in the priva and extending to the thighs. Menstruction in the first stage is increased but gradually diminishes

The treatment may be classed under four heads (1) hygiene, (2) pessaries (3) general and local treatment (4) surgical operations

The first includes proper dress, food and regular habits The author says that he has had many pleasing results from the use of a properly fitted pessary He places pregnancy under the head of general and local measures and states that with considerable rest in bed aft r delivery (6 to 8 weeks) a moderate prolapse may be cured He also advocates the Luce-chest position se cral times each day From an operative standpoint Willmoth ad acs an external operation on the round bigaments of young women with a shortening of the uterosacrals in a small per cent of the cases In middle aged

women the exact co dition of whose pelvic viscera is not known he uses the modified Gillian operation In women near the menopause he advises supra aginal hysterectomy with an elevation of the ELGENE CARY remaining cery cal stump

Jellett, H Th R lation of Theory and Practice in th Operati Treatm at of Genital Pro-lapse Canad W 4 J 914 56

914 66 By S ng Gynec & Obst

In the past the frequent failure of operati e treatment of prolapse has been due to t o causes The first of these is an insufficient nato knowledge of the relations and supports of the uterus, and the second is a desire to find a panacea which will be suitable f revery case There are two cardinal points that should be remembered in considering the treatment of prol pse () That the exact lessons present differ to a cry material degree in different cases nd () that any treat ment to be successf I m st f II w such lines as enable the operator to alter and modify is details in order to suit the special tenons and complications of each individual case. The knowledge of anatom) is therefore esse tial. This mu t be guined not alo n the dissect ng room but in th examination of the 1 ng

The gina s supported below by th levator and muscles It is fixed to th pel ic wall by the vaginal suspensory ligament and proported by its

stackments to the cervix and by parts of the endopelus faxes. The items is supported by its vapual attackments by the uterosacral ligaments and by the different layers of the endopelus faxes which pass into it laterally and antenory. The makers support of the uterus is the pelvix floor and this is of considerable importance. The suith than take each of these up and discusses them in

Injuries accompanying labor affect both the direct and indirect supports Deep tearing of the perineum destroys the slight attachments of the levator am muscles to the central point of the perincum and so allows its lateral band to diverge outwards while actual tearing of the muscle itself destroys the continuity of its inner edge. The result is that the lateral bands are widely separ ted and there is nothing to prevent the anterior or posterior vaginal wall from bulging directly down through the vaginal ordice. Once the support of the lower part of the vagina is lost there is a tendency for the middle part also to descend because the posterior and lateral walls, instead of resting on the levator muscles, are unsupported and have the r pull transmutted directly to the suspensory fascia author thinks that this progressive niers on is seldom seen clinically. What happens rather is that first the lower part of the vage a protrudes then the vaginal fornices lose their support and descend and finally as a result of continued trac tion the middle portion descends also The first direct step in uterine prolapse is backw rd d s-The we ght of the uterus thus transmitted to its aginal attachments and t the endo pelvic fascia both of which are entirely unsuited

to resist a direct strain ult in most cases of Uterine prolapse is the an initial fault which by it ring the normal strain to which the suspensory mechan sm of the uterus is intended to be subjected throw th elements of that mechanism out of ympathy with one another The is the most essential point t grasp in planning a successful operatio f prolapse because just as the prolapse follows mually a single fault so it will tend to recur after oper tion if a single weak point is left. Thu t is that entral fixation vaginal plastic wo k and hysterectomy have failed Rational prolapse operations consist of three parts (1) The restoration of the normal direct support of the uterus and vag na so f r as possibl (2) the placing of the uteru in such a position that it offers a maximum resi tance to descent (3) the removal of complications and associated conditions the result The v rious methods employed of the prolapse to remedy these defe ts re discussed

Jellett reaches the f llowing conclusion So long as the posterior vaginal wall is left as it is at present with its upports a an imperfect condition to long must operate a procedure be defect ver The interpos tion operation is excellent in a suitable case but t is noompatible with pregnancy The restoration of the pel ic floor is, in most cases,

effective but it may again be destroyed during a subsequent labor. The very means adopted to reduce an enlarged uterus to a normal size may subsequently result in producing uterine atrophy and thus remove the most effective part of the modern prolapse operation. Lowans L. Countil

Shropshire L. L. A New Supravaginal Plastic Hysterectomy Tx Si J Med 9 4 68 By Surg Gynec & Obst.

The author ha mg noticed that recovery after a hysterectomy was unnecessarily prolonged to meet at the conclusion that the impression of the nerve trusts supplied the themperent of the nerve trusts supplied the trust and its appropriate trust and the supplied trust and trust

After the bladder is separated from the uterus down to the internal os the uterus is clamped on e th r side from the insertion of the falloplan tube to its center at the internal os with a specially devised by sterectomy clamp Using the clamp as a guide the uterus is transfixed at the points of the clamp with a long sharp pointed Lnife, bringing the blade out at the fundus at the inner side of the clamp mak ng a smooth cut surface By drawing the clamps together the two marginal cut surfaces of the uterus are brought in close apposition With a No 2 chromic gut suture a needle on either end the suture is started at the points of the clamps by passing one needle between the blades on one side and drawing the suture through to its center then by inserting a needle from either side a saddler's statch is made until the top is reached, when the

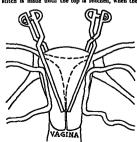
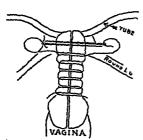
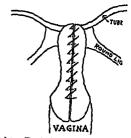


Fig (Shropshire) Showing the clamps in place



1 to 1 (Sh opahure) Showing the saddler statch as policed.



bug 3. (Shropahira.) Showing appearance of the stemp after the running sulture is made.

attures are tied securely. The clamps are then removed and a deep running sature placed on the satternor surface beginning at the lower and of the cut. This is continued ver the top of the stump and down the posterior surface to a point opposite the start of the sature. With fine catgut the bladder is Instended to the stump.

The author claims that this operation avoids thing off any of the netve-trunks or the de truction of any mportant tissues It is inch ated a ans hysterectomy except f r malignant degeneration In cases of I broud tumors where the special clamp cannot be used the adnexa are caught between rubber covered clamps in a similar manner. In the removal of pu tubes the tubes are separated from the broad ligaments and the clamps applied below them inother great ad antage 1 that there is much less da ger of thing the ureter In this operation the ut reserved round and broad gaments are drawn so I ghtly across the pelvia that a pe fect floor re ult I & mol (Vil

Burner: The Uterus aft r Mesothorium Irradiation (Ut rus as h M soth ri mbe trablung) At the f Grbs 1 & G & 1 By Zentralbi I d 4ce Spak Geburtah s d Grenageh

Examination of the utirus of a somes who he come to the hospit if e or us we cale before with an extensive carcinoma showed that the reas marked extension of the Jin carcin malous crater insifination in both broad ligament se ere hem tribige and fetch supportation. Vir 14,000 metothorium and fetch supportation. Vir 14,000 metothorium macroscopically at least me sugne of extension could be found.

ADNERAL AND PERIOTERINE CONDITIONS

behminele Otarian Tumors (O analgeed tilste)

**Menatule | Gob | h Gyndk 1014, xxxx kpc

By Zentrails | d ges Gyndk u Gebartsh a d Grangeh

Four cases of o sman tumors are reported as

to The first case was that of a 70-year-old oman with 0 arran fibroma showing cystic softening

a Bisteral secondary owners carrierous with d flues cancerous infiltration of the whole uterus the parametrium and the utper part of the sagua was found in a 21 year-old girl with primary carcinoma of the impulla of later.

3 The third case was a bilateral secondary meta static cancer of the overty with primary carcinoms of the breast in a 14 year old woman

4 Secondary outrain carcinosis with primary interacted adenocarcinosis of the hore part of the agencial discuss with preparately hypertrophy of the hypothysis with preparately hypertrophy of the hypothysis of t

Viaser A and Schneider E Disturbance in Function of the Ovary in Myoma of the Uterus and Some Disputed Points in Regard to Myoma (Über Storung der Eierstocksfunktion bei Uterus myom, und uber er ige stritt ge Myomfr gen)

Muschen med W knicht o14 bi 041

By Zentralbl. f d. ges. Gynak, u Geburtsh s d Grenzgeb

By the aid of Abderhalden's dialysis the authors attempted to determine whether the anatomical changes in the ovaries in cases of myoma such as increase in thickness evitic degeneration and angiodystrophy were associated with disturbance in the function of the ovaries

The blood scrum of to myomatous patients was tested as to its action on the ovaries of myomatous patients in the same and other individuals as well as on the ovaries of patients with carcinoma preg hant women and normal women. The ovaries of normal women and carcinoma patients were never catabolized but of the 22 patients with myoma who were tested with their own serum 20 catabolized their own ovaries. The ovaries of other individuals were catabolized in only so per cent of the cases This shows that as a rule patients with myoma have dysfunction of the ovaries that there are active ferments in the serum and substances capable of being catabolized in the ovaries but that these ferments are extraordinarily specific for the fer ments of the serum of a patient with myoma which catabolize a certain substance in her own ovary will catabolize the ovary of another myomatous patient only when it contains this same substance

The authors think that the dysfunction of the ovary is the cause of the pathological growth in the uterus This seems to be indicated by the fact that in the so called early myoms puberty begins much earlier than in normal cases. The climacteric which is well known to be a period of disturbance in ovarian function s the most dangerous ge for myoma -70 per cent of the myomata observed occur from the fortieth to the fifty fifth year. The frequent steril ty of patients with myoma is also a s gn f dysfunction of the ovary as well as the delay 1 the hmacteric m myomatous patients The d sturbance n ovarian

function is p imary

Sessa P Changes in the Child's O arv in In fection Diseases (Sull Alterano idell aio in fant le nelle malattie fetta) Pd at By Zentralbl f d ges Gynak Geburtsh d Grenzgeb

Th autho c ammed the v nes of bildre f m af w month tofi 3 arsold who had di d of ut or chronic niect ous d sease and who had shown no chuical sign fo arian disease Noth g was perceptible macroscopically on autopsy scopically there were generally more or less pronounced changes after acute infectious di ases there were gene ally adlammatory changes in the corte in chronic diseases such as tuberculosis. th re w re interstitual charge unith o aries. The finer hist logical changes are described. In v ry acute inf ct ous diseases especially in diphthena

there were frequently degenerative cysts in the narenchyma of the ovary that were visible only microscopically ACCREMISEN

Brill W The Histology of the Symnathetic in Its Relation to the Internal Secretion of the Ovary (D) Histologie des Sympathicus in ihren B ziehunge zur inneren Sekretion der O anen) V a

chen med II hus hr 914 I : 1256 By Zentralbl f d ges Ganak u Geburtah s d Grenzgeb

After sketching the internal secretory tissue of the ovary the follicle apparatus and its derivatives the corous luteum and the internal ovarian glands, as well as the general histology and physiology of the visceral nervous system the author describes the histological picture of its groundwork in the ovary In the ovary of rabbits and mice a visceral ganglion which is regarded as the most important transform ing station for all forms of stimulation flowing into at shows extensive branching of the cerebrospinal sympathetic fibers around the ganglion cells and chromaff n cells which fill this sympathetic ganglion of the ovary Other fine terminal networks surround the axis cylinder processes with loose meshes and the surface of the gaughon cell with end buds These are numerous large multipolar ganglion cells with a network of neurofibrils that can be followed tar into the axis cylinder processes and many widely branching dendrites

The relation of the chromaffin-cells to the ganglion cells seems of especial importance from a functional point of 10%. The peripheral visceral innervation of the ovary with is far reaching effect on the gene air e and intergenerative tissue elements, is also represented n its end branches, pericellular end networks with numerous varicose formations in the course of the perve fibers and at the end of the nerve fibrils

As in other glandular organs the end branches of the nerves penetrate between all the cell elements of the part of the o aman tissue that is concerned in internal secreti The innervation of the internal secretory tissue of the ovary here represented provides a broad hist logical foundation for great independence on one hand and on the other f r a far reaching influ nce of the ff rent stimuli on all the specific fu ctions of the o ary

Schiffmann J Changes in ti Ovaries after Irra disti is with Radium and Mesoti orium (The O rial crand ruge the Rad m and M so thors mbestrahl g) Z ni albl f G; ak

By Zent albi f d ges Gynäl, u G burtsh d Grenzreb

Diff rent Linds I exper ments were tried Cuinea gs w re used a dan som cases the rad um carriers together with the o ary were sen d into an artifi cially formed pock t of perstone m while some of the carners were la d fre n the abdoms al cavity But neither case there wer atraordinardy intense and baract ristic t juries of the anan tusue The gr nulosa cells a d th o um c lis were most injured the matu e follicles we e tra formed into

found

cysts the germinal epithelium remained intact and neither the interstitial cells nor the corpus luteum showed any constant changes https://

Pirami E. The Adners in Inquinal Herniss (Lerna inquinale degli annessi) G & 914

rru 2 3 By Zentralbl. £ d. ges. Gynāk. Geburtah a. d Grenzgeb.

Hermas containing the adnexa five cases of which are reported are only occasionally found in old women with relaxed abdominal muscles in other cases they are caused by anomalies in development corresponding to descent of the testes in the male The diagnosis is very difficult in small gurls especially differentiation from omentocele in adult nomen points in diagnosis are pain in the coccyx dysmenor rhota, change in volume during menstruation, and especially bimanual examination. The treatment must be surgical especially taking into consideration the frequent complications such as atrophy cystic degeneration new growths and torsion of the peticle except when the hernia also contains the pregnant uterus NACOTORIOR

Schickele Etiology of Pyosalpinx (Zur \tologo de Pyosalpinx) M sait hr f Gebrick Gy dk 9 4 xxxx, 7 By Zentralbi f d. gcs. Gynkk. u Geburtsh s d Gronzgeb

The patient who was to year old and had always been well took a doubte of conquest to prevent conception and it was followed by hilteral supports the salpungits. There was rapid development of possipius on both ades the left one rupturing on the airth day after infection. Severe pentionnis immediately developed. The operation which consisted of resection of the toperation when the contract of the resection of the toperation when the consisted of resection of both tubes and dramage through the vagina was followed by recovery limitaging the reproduced were cultivated remains the firm of the reproduced were cultivated remains the firm of the reproduced were cultivated remains and the contract of
Taussig, F J Sarcoma of the Round Ligament of the Uterus. S 12 Gyncs & Ob 1 0 4 12, 1 8 B Surg Gyncs & Obst.

The author reports an unusual case of spundicelled surcome of the round lagament associated with moderate prolapse of the uterus. The tumor was remo of from a nomin 44; years of age whose only complaint was a pressure against the bedder of the property o

A review of the hterature of round ligament tumors showed a record of 141 cases of this sort. Taussig analyses the physical and pathological characteristics of this form of tumor. It springs more frequently from the extra abdominal portion of the round ligament and apparently is a little more common on the right than on the left side. Pres

mancy standales at growth.

The most interesting feature of these timors is their varied pathology—for of them belong to the group of thromyomata. In 25 partners there was a Cyst covered by fibromwords tissue. In ownering the control of the contr

EXTERNAL GENITALIA

Müller R Myoma of the Vagina (Bestrag tur hen tous der Vaginalmyoma) A ch f G; ht 9 4, cu, 5 By Zentralbh f d, ges, Gynkk, u. Geburtsh a. d. Grengeb

The author reports 4 cases of mynms of the wagner 2 m women and 2 m dogs H declared the cases published by Richardschier published by Richardschier and 18 m declared the case of the case

Paris, J and Francey F: Indications and Technique of the Transvetical Operation in the Treatment of Vesicovaginal Flatuis; (indications et technique de la one trans énaire pour le cur des fat les ésno-y ganles) J d'uni

By Z-niralb. Ld. ges. Gynak, u. Geburtsh. a d. Grenzgeb

The method is indicated when the fatula is near the urriers, when it is complicated with stone in the bladder when the vapual opening is high up near the cervira, when there is minch sear itsue in the region of the vapual opening or adhesions to the pel ne bones after estimation of the uterus. In very large fatules with involvement of the set-of the hisbider the vapual route should be preferred

The author does not f vor Legueus s tran persional routen on Branchehour in merson of the bladder. He makes a long incisson in the median line. The interior of the bladder is reposed by means of a retractor the edges of the fistula are tenhened, the vagual opening closed with a purse string interior the bladder opening small the bladder opening small the bladder closed with fixed actions a fixed above, the part end occupying distribution of the part of the p

MISCELLANEOUS

the neck of the bladder was involved there was only decrease in the size of the fistula with incontinence persisting and once the sutures did not hold. In one case though continence of the bladder was restored, the high incision made a ureterovaginal fistula through which urine trickled this was later overcome by extirnation of the Lidney

Rosenstein Secondary Renair in Complete Tear of the Perineum (Uber die Sel ndarnaht bei kompletten D mmrissen) Zent albi f Gy ak

0 4 XX 151 771 By Zentralbl f d ges Gynal, u Geburtah s d Grenzgeb

For secondary repair it is not necessary to wait six needs or to send the patient to a hospital The operation can be done at the end of two weeks in the patient a house. The buried sutures of the rectum should not penetrate the mucous membrane Granu lations and any new formed tissue should be thorough ly removed at the beginning of the operation. The bowels should be moved first on the sixth day by means of castor oil ALTSCHÜLER

Jellett H. Suture of the Levator Ani Muscle in Perineorrhaphy Operations. La 1 Lond By S rg Cvncc & Ob t 0 4 l XX 3 5

Uthough it is a renerally accepted fact that the support furnished by the levator ani muscle either with or without is investing fascia is essent al to the pelvic organs none of the old methods of permeorrhaphy provides fo such suture. It is surprising how many are content to practice these operations becau the nsider and 1 fact are told that suture of the le ato am muscle how essential t may be is a difficult oper t n and one not devoid of danger Dur ng the past three year and a half 346 persneouth phies ha e been per formed In practi ally all the levator an muscle has been sutured n an occasional case mon has failed to occur nd hematoma has f med There has never been a death nor even a patient whose condition g ve use t naiety owing to the occurrence

I mboh from p netured enou plexus
The essent I f ature of the operation are as follows () The c reful d ssection of the necessary (2) the e posure and suture of the separated lev to an muscl and (3) th careful approximati n of the ut edge of th v ginal mucous membrane in to leave no projection or reuch a m nne dund'in y The utho the d embes his technique ut detail. The ad utages of his operation are its case and its rap d ty

The follow g ncluss s are reached f th lev tor am is an essential Ro t utu

part of penn orth phy Rut ne tur s alw 3s practicable except where the must a want ng owing to at only after injury

3 Th pos re nd uture of the lator and re neith r hill it nord g ro

1 w to L C

Hauser Vaccine Disenses and Treatment in Gonorthesa in Women (Uber die Vacronediaenostak und Therapie bei der Gonorrhoe der Frau)

Berl. Al 914 I By Zentralbl f d ges. Gynal. u Geburtsh. s d. Grenzgeb

The author's experiments in diagnosis and treat ment were carried out with Reiter's vaccine A .- 10 His conclusions are that injection of gonococcus vaccine is a useful method of differential diagnosis. A positive focal reaction as well as a positive general reaction accompanied by a positive local reaction shows the press ce of gonorrhoea A negative result does not absolutely exclude gonor rhœa.

In all cases of local gonorrhocal disease with an active focus or one capable of reactivation the vaccine causes a rapid improvement in the subsective symptoms and in many cases there is also objective cure Because of the small number of cases and the fact that they were not under observation long enough no decisive judgment can be passed on its therapeutic action or its ultimate results. But at any rate vaccine treatment is to be recommended as a supplement to other treat

Pazzi M Mutual Functional Relations of the Glands of Internal Secretion as an LI ment in th Causation of Changes in the Parchic Per sonality of Woman (t orrelazione funzionale delle gi ndole «crezione titra come leme to d con sa nell m 1 i bià della personalità pachica d lla donn) G o' mod 0 3 1 18

od 03 138 G burtsh s d Grenzgeb. By Zentr lbl f d ges Gynal.

Pregnancy is regarded as the source of an endointoxication from which the woman can neither guard agai st nor save herself if the normal antitoxic functions and the fu ctions of the glands of internal secretion do not do their p rt and overcome the threatening physi logical disturbances and re tore the organism to its normal bula ce

It c must be demed that pregnancy s a cause of mental disturbance which may drive the woman to madness with crimin I tendencies a d w th trartial or total ann h lat on of co ectousness of her actions A detailed review is given of the lit ature regarding th function of the hy pophy sis and its relation to the genital organs The author believes that the mental and psychic disturbanc s that lead the pregnant woman to destroy her child are rel ted to disturbance n the function of the hypophysis Because of a transit ry interference with the balance of the circulation in the brain at the moment when the fortus leaves the ut rus this disturbance of function manifest itself in a stormy aggressive and t mpor rary form. He believes further that the negative pressure the bd men causes a hyperæmia from vac um in the pelvic organs that I terferes with the nutrit on of the bra n This does not uplain the pathoge can of crime but it broadens the field of MEST O

Andrews H R Tuberculosis of the Female Genital Organs Cl a.J q 4 slut, 535 By Surg Gyoca & Obst

The author states that according to the statistics of several writers tuberculous of the female genutal organs occurs comparatively frequently but that it is not of clinical importance except when it in volves the fallopian tubes or the cervix. The infection is seldom primary in its origin but is usu ally secondary to a tuberculosis of the lungs or of the shmentary tract the infection being conveyed by (z) blood (z) bronchial glands (z) tuber culous pentonitis, when particles usually from an infected appendix or circum have been swept into the fallopian tubes by the peristaltic movement of their ribs (4) gonorrhoral salpingotis which predisposes to a tuberculous infection by destroying the integrity of the mucosa of the tube (5) tuber culous semen (not proven) (6) tuberculosus of the rectum which may by continuity extend to the vagina (7) soiled clothing, directly infecting the vulta (8) tuberculous urine causing a local infection of the vulva

The chief chincal importance of tuberculous of the cervix is that it may be mistaken for carcinoma.

The infection usually begins in the mucosa of the cervical canal or in the deep part of the glands, but it may occur on the vaginal aspect of the cervix. In appearance it resembles ectropia or it grows in masses of fine clongated papille glued together with viscid mucus. The absence of friability and tend ency to bleed together with the soft edge and the youth of the nationt would usually differentiate it clinically from carcinoms but the microscopical examination of a section removed from the cervix

should establish the diagnosis

In tuberculosis of the fallonian tubes the murosa is the first structure to be involed the muscle is the next and the personeum the last. The involve-ment is usually bilateral, both abdominal ostia being closed and the tubes studded with miliary tubercles while cheesy nodules may he in the wall or in the interst tail part of the tube or the whole tube may be enlarged tortuous adherent and filled with cheesy material as a result of the infection In the chronic stage there is an excess to formation of connective tissue with calcification of the contents of the tube and dense adhesions to the neighboring structures. The symptoms are constant pelvic pain with increased and painful menstruation The uterus s fixed in the pelvis and at one or both sides may be I it a de sely ad here I mass. In the early st ge of the infect o there is no alteration of the tubes macroscopically and it is not usually possible to make the diagnosis except by the aid of the microscope but late the condition is characteristic of suberculous

If tuberculosis of the cere x is seen early the author believes t is possible to effect a cure by scraping and cauterising the diseased area but if not seen until a late stage he advises the remo al of the cervix, or the cervix together with the pterus and the appendages if they seem to be

azvolved.

In tuberculous salpingitia according to the writer there is no hard and fast rule for dealing with the adnesse If the adhesions to the intestines are not too extensive both tubes should be removed together with both cornus containing the interstitud part of the tube If the adhesions to the intestine are dense and there are no evidences of tuberculous ulceration of the intestute nor suppurate a of the tube it is better to leave them alone as in such cases removal is often followed by the formation of a fecal fistula and there in some danger of producing an acute general tuberculous. As the merus may be distased and since it is useless without the tubes hysterectomy may be advasable although it increases the severity of the operation and many patients have remained in good health when the tubes only have been removed. The ovenes are often healthy even when the tubes are diseased and should not be removed in a young nomin un less they are definitely involved

If dramage is employed it should be done through the vaging and not through the abdominal would, in order to lessen the risk of a façal fistula or an infection of the wound and a resulting post opera tive berms

LIMIAN L. P FASTAR

Ulesko-Stroganowa, K. P. Mahgnanz Tumors of the Fernale Genitalia (Die bosari ges Ge schwahst des eiblichen G miss pparates) i och

Gas 10 4. xx 750 By Zentralbi f d. grs. Gynak u Geburtah a. d. Grenzgri

The author calls attention to the great prevalence of malignant tumors of the female genital system He thinks this is due to the frequent irritation of the genital system which leads to hyperzimia and this is turn causes hyperplass. The hyperplasia carnes the germs of malignant degeneration. It is often difficult to distinguish benign hyperplasia from malignant tumors either macroscopically or micro scopically He agrees with Orth and Hansemann's opinion that hyperplasia is a precancerous condition

Klumenko, V Diphtheria of the Genutal Organs in Children (La diphtérie des organ s grattaux chez les enfants) Cim p at méd-chir et spie

By Zentralbi f d. ges. Gynal. u Geburtah s. d Grenzgeb A ten-year-old gul after two days sickness with out inflammation of the throat developed a dipletheria of the gentials which caused par on urns
tio A saster of the patient had a dephtherite
anguna. It was assumed that the infection had been transmitted through the clothing but the pos-sibility suggested by Conradi and Bierast should simility suggested my contact and merrait added be taken into consideration namely that bacili may be excreted through the urin even in cases where a inflammati is of the throat has been sot ced The disease begins with burning on micture tion swelling and bluish red color of the labia ma jors which re painful to the touch The s elling

increases and a few days later a pseudomembrane appears. harly serum treatment is important with a view to decreasing the relatively high mortality

Winslow R The Significance of Lain in the Right Hare Fossa in Young Women II p Ball U Md 1914 x 81 By Sure Greec & Obst

Right aded pain is usually thought to be due to appendicutes. The acute cases or the chronic cases with definite localizing symptoms are readily recog mized. In the author's expenence this symptom in young women is often due to some other cause Some are of undoubted hysteric or neurotic origin but with some underlying physical cause. He dil ferentiates from enteroptosis by injecting the colon with bismuth and by \ ray from nephroptosis by palpation of the kidnes under an anxisthetic if neces sary from disease of the right tube by caginal examination. In several operations for supposed appendictus a small ovarian tumor was found in each case Cholelithiasis with distended gall bladder may simulate appendicates but percussion over the gall bladder will elect marked tenderness and the gall-bladder can be detected under an angesthetic if necessary blone in the right ureter gives unnary symptoms with blood in the urine crises due to Meckel's diverticulum perforating ulcers intestin I obstruction and pneumonia, par ticularly in children are to be considered typhoid fever the fever precedes the pain as pointed out by Murphy

The author states in conclusion that he has come to believe that in young some unless the symptoms of appendicutes are frank, and clear the conclusion sprobably something like Pain and tender axis in the right safe without rightly elevation of temperature and leucocytos is usually not appendicute. Again apparently see res and long-conclusion and the right safe in girls a more likely touch the right safe in girls as more likely reduced pain in the right safe in girls as more likely reduced from the pilk registrate of the district from the pilk registrate of the district water may be determined by a more careful examination may be determined by a more careful examination. S A CRUATA

Ebeler F Rontgen Treatment in Gynecology (Die Rontgenbehandl ug in de Gynakologie) St ski ik p o 4 570 By Zentralbi i dge Gy ak Geburtsh d Grenageb

Still the \$P_0.4. 570 Geburth d Genzgeb The nuther discusse the routiges treatment of myons carcinoma d discusse of the utrus. The technique at first w th to d Alberts-Schon there is not the still
with 90 10 120 \ per series Among 33 cases of my oma 31 were treated with amenorrhoa resulting in 76 19 per cent oligomenorrhoa in 9 per cent and failure in 14, 3 per cent. Imong 30 cases of intrine disease there were good results in 93 per cent amenorrhoa in 80 per cent. Five cases of car casomata were treated with routges 123 slone with disapparatuse of supportation and pain and cleaning up. 40 meters. The cases of car tested with routges 123 slone tested with routges 123, and radium combined.

Jayl M F The Employment of Hypophysary Opatherapy in Gynecological Practice Its Immediate Results. If A Prats & C & 104, calar 216 By Surg Gynec & O'r L.

In a sense of over 400 cases Jayle attempted to determine the immediate effect of the administration of a pitularly preparation upon patients affected with various utero-ovarian troubles. The gland excited was that of the or and it was prepared affect the method of Chooy. The preparation was administered subcutaneously earth ampulla correspo ding to 0 org mo of the posterior lobe. The injections were given every other day beginning with one fourth of an ampulla the dosage being with one fourth of an ampulla the dosage being increased daily so that a whole ampulla was given

as the fourth dose

G scral reaction was noted at once it consisted
of planching colicity ps us becadeche and insomma.
Ice cases taken at random from the sense, are
bandly reported, the following results being obtained dimmit on said often complete arrest of
tained dimmit on said often complete arrest at
salpingist mentits and parametrits regulation
of the menses and control of homorphage due to
submodution metrits and scleross of the strenge
vessels

W II. Carr

Benthin W Bacteriological Exam nations in Genecological Diseases the Question of Auto-Infection in Gynecology (Balt nologueb Untresochunge bei pankologychen E Frankopt En Beitr g Frage de Selbstim Litom a der Gynalkology II sat kr f Ge 1 k G, k

By Ze traibl. I d ges Gynal. u. G burtah s. d Grenzgeb
Unfortunate results after g; necological operations
always bring up anew the question of autogenous or
endogenous infection. Fo this reason the author

analys using up alone the question of autogenous or analys using up alone to the state of author analysis and a state of
WEISTWANGE

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

Michel b : The Significance of Abdominal Pres nancy for the Fractitioner (Die Bedeutung der Bauchachsangerschaft für den Pr Lither) Foritels d iled auto-

d Ved 914 22 617 By Zentralbi, f. d. gea. Gynak, u. Geburtah, s. d. Grenzgeh.

The etiology of the above is not definitely deter mined Chronic salpingitis is of importance as is shown by the fact that the average age of women who have extra uterine prignancy is 30 years and that the pregnancy is generally preceded by several years of tenhty The consequences of chronic salpingitis are adhesions of the mucous m mbrane and formation of diverticula in the musculature of the tube. Internal or external causes, such as crosion of a blood vessel coitus, or a blow may cause a sudden hyperpressure in the intervillous paces and the thin wall of the tube ruptures, causing runture or tubal abortion With the first free bleed ing the osum is floated ut of the ampullar end of the tube and the rem ants that are left beh nd cause secondary ham rrhages that sink do n into Douglas pouch and f rm h matoccle The futus generally hes and ma ration and sometimes i fection and suppuration take place

The symttoms vary d pending on whether there has been rupture or abortion. Important points a the history at pr cedi g inf mmatio of the tubes sterility irregul r m n iru tion int if rence with urmate n atta k of dizz ness an ! bjectiv ly th findings n 1 dpatu Diff rential diagnos a must be mad from infl mmatory tumors of the ado xa inflammatory xudate ppen licitis and perf rating pent rates and in the middle third of pre nancy from retroflexion of the grand ut rus, an it raion of the ped cle of an ovarian 352 In doubtful cases exploratory pu cture of the vagina may be m de. Michel does not th & that Abderhalden a reaction can ; t be d pends i upo He would not att mpt sounding or cur tt ge on ac ount of the danger of in ection. He agrees with 5 gwart that ope ation is a social necessity G SBLEG

kohlmann W Ih Treatm nt of Larly Tubal Pregnancy with Report of Cases. V Orl If 6 5 1 9 3 1 ; By rg Gacc & Obst

Since January or the author has parated upon

so cases of rut tured tubal; regnancy with one death
\u00e4nne cases operated upo mmed atcly after rupture
were in a sen us co ditio

In case of doubtful diagnosis th path is were kept under careful observation in the hospital hobitann ope ates immediat by without witing for recovery from shock. I erious cases infusion

us begun as the abdom as opened. The abdominal route is als any achosen. Large doits and higud blood are removed but no claborante toulet of the persons can'ty as made. The discased tube is always removed. The other tube is not removed if healthy life prefers to drain these cases through the posterior vagnasi forms. Wis. II. Cart

Saelitzky Eclampela without Convulsions (Eklampsie ohne k kmple) Festicke f Prof Poleds sty Moscow and

Moscow 014

By Zentralki f d. ges. Gynak. u. Gebartak. s. d. Grenrek.

The author discusses the different forms of in
toxication in pregnancy and true to classify then
life takes up the theones of eclamosa, hause in

toucation in pregnancy and trest ordarily them life takes up the theore of changes and in the conclusions on the anatomucal changes as the maternal organs. He agrees with Schmod s on ception of eclampas without convoluons. Eclampas as not a desage of any percal organ but of the organism as a whole and eclampais without convainance as whole and eclampais without convainance is neither an about we rudincentary attypical eclampais nor an eclampas without organism or an eclampas without of eclampas is us an independent typical subvariety of eclampas.

The case hutory is ge en of a 55 year-old principle of the converse
miputa who was troubled with difficult respiration headache and severe pain in the region of the heart All her labors had been d flicult on account of con tracted pelvis Fortal heart sounds were not perceptible. The child was divered pontaneously was lead and wrighed 2.050 gms. lac nta was also d invered pontaneously hours later the patient sho ed re tlessness, disturb ance I vivion twitching of the face muscles, coma but temperature normal liter one and one half hours come occurred again and lasted for five minutes The pulse was 240 leterus developed follow d by coma agai The per cent of albumin was 8 there were different forms of cylinders Anuna ensued and the patie t died of he it failure and older of the lungs lost mortem examination should parenchy matous degeneration of the he n muscl the liver was enlarged and had necrotic foci us stass and ordema were present. The lidneys were large and ordemat us. There was bloody transudate in the pleural and pentoneal ca it a Microscopically the was sho to be necros of the brant troue heat muscle Lidney epithelium liver cells and lung tissue. There was total necrosis f tissue a the spleen, also in the mammary gla de pancreas, thyroid not inter-stitual tissue f the uterus. The diagnosis was necrous of the accera Th author veludes septs. The micro-organisms that were f und in places had entered post mortem He collects 5 cases from the literat re - 34

of them or 66 6 per cent died. The author thinks that II cases of Albeck's that recovered hould be excluded and the brings the mortal ty up to 90 per cent. The treatment of eclampsia is rapid de istery and serum treatment Expectant treatment is irrational Blood letting is occasionally helpful The work is accompanied by a bibliography of 9

Lichtenstein Euphyll nas Diuretic in Lelampsia (If bungd r D urese ber klamptische Koma durch intramuskulare I phyllinia ktion) By Zentralid f d. ges Gynal, u Geburtsh u Grenzgeb

Lichten tein reports fi e cases of clampsia n which he increased the delective diurest by 1) (tions of euphyllin \ critical judgment of the effect of the remedy in the cases given is as the author admits, extraordinarily difficult In suitab! however the advantages of the new districtioprompt action and the possibility of application by injection - should be utilized por bly a connec tion with digitalis which is said to heighten the effect of euphyllin The author recomm de three injections daily of o 48 and in some case it hould be go en prophylactically. The r med tion to the methods of treating eclamns;

15 10 5

Bernateln R Dermatologic Toxamiss of Preg nancy: The Recognition and Treatment Mark ort processing or groups

The author describes briefly the dermatological manifestation of the t xxmias of pregnancy which are he says little different f om those of any other toxicmia. The treatment of the skin condition is dependent upon removing the time andition He has the patient drink copiously of soft o distilled wate opens the bowels, and uses a rice diet Locally he uses some mild southing lot as calamine lotion an ointment as unguent bismuth sub-nitrate or an oleaginous substance - as h r oil emulsion. Internally he uses the remedies n dic ted by the general skin condit on

Richter M. Air Embolism in Criminal Abortion (Use Lustembolie bei kriminelle \bitreibung)

If naticle f Grb rt h G 4h 9 4 zz 520

By Zentralbl. i d gen Gynkk u Geburtsh d. Grenzi, b

The first case was in a 28-year-old woman who had much disconneuds into the uterus with the socalled balloon syringe and was found dead. There was foamy blood n the right heart. In both oversan arteries especially the right one and in the inferior vena c va ther were also num rous air bubbles In the ut rus between the lower pole of the sepatated ovum and the ut rune wall there was also foamy blood

The second case was also a 28 year-old marned woman who had attempted abortion with an irrigating avring and boric acid solution. Here too

there was foamy blood in the right heart the inferior vena cava and the pelvic veins.

In all case of sudden or unexplained death in pregnant women it is well to think of the possibility of emboli m from air or from the injection of toxic substances into the circulation. If air embolism is suspected the autopsy must be performed in a special way. The skull should not be opened before the section of the abdominal organs because blood may flow out of the longitudinal sinus and allow ar to nter 'ur embolism is more apt to occur when the patient herself has applied the douche The fatal result may not follow immediately but sometimes after several hours. The best prophy lactic measure is to prevent the sale of intra-uterine douches to the lasts BESTUS

Manclaire and Tissler L. Gangrenou Perforation of the Uterus after Induced Abortion (Lerforation terme gangrentuse pres a ortement provoq è) Bull Soc d'm d' g d' Fance 1914 xl 95.

By Zentralbl f d ges Gynal Geburtsh d. Grenzgeb. Infectious metritis is only exceptionally the cause of gangrenou perforation of the uterus the great majority of the cases are caused by mechanical or chemical moury of the wall of the uturus In support of this view the following case 1 reported Laparoomy was performed on a 20-year old girl for peri toniti 48 hours after an attempt at criminal abor to us the second month of pregnancy. In the mid dle of the fundus there was a circumscribed bluish softened spot but there was no perforation. Death resulted after to d vs Autopsy showed a crater shaped perforation at the necrotic spot

RUBERAN

Lepage G Treatment of Abortion (Conduite & tenir dans les accide te consécutifs à l'ortem t) J d med id hu 0 4 1 8
By Zest lbl i d ges Gynak u Geburtsh, s. d. Grenzgeb

The majority of cases of abortion are criminal in nature. It is d isable to obtain a knowledge of such procedures beforehand as the treatment decends on whether or not they ha e been undertaken Spontaneous abortion has a favorable prognosis if not caused by a febrile general condition. In afebrile two st go abort out the expectant method can be followed to a considerable le gth of time If crimi nal attempts has a been made previously the expectant treatment must be shortened. In attempt should be made to hasten the delivery of the ovuly by ulphat of quinine If this medication has no effect the t rus must be emptied with the finger or with instrume to under the co trol of the finger If f yer appears after the empty: g of the uterus. the uterus must be arrigated and drained and often curetted The latter should not be done when there are symptoms of disease of the adnexa uterus or peritoneum In abscess of Douglas pouch colpot omy may be useful. Hysterectomy is seldom ne cessary generally local treatment is sufficient if it is undert Len soon enough

With these methods of treatment in 370 cases

there was a total mortality of 1 62 per cent. It was 0,39 per cent in the cases where operation was not necessary 4 per cent in the operative cases. The prognosis depends less on the method of treat ment than on the condition of the prinent when she reaches the hospital. Fra ALMSTEIN

Deletrez Dermold Co ta of Both Ovaries and Preg nancy (hostes of moldes of a discoveries et grossesse) Bull Soc belg de gonée et d'obst 9 4 x

By Zentralbi f d ges Gynal, u Geburtsh s d Grenageb In 1 132 cases of ovarian tumors the author has encountered pregnancy 12 times Torsion of the pedicle occurs oftener in the first half of pregnancy than in the second Rupture of the cost does not occur any more frequently in pregnancy than at any other time Every ovarian tumor diagnosed during pregnancy should be operated on D anotomy is justified by (1) the dangers to which the woman is exposed during the pregnancy such as torsion of the pedicle rupture and suppuration (2) the complications that t may cause dun g labor and (1) con aderation for the child's life In pregnancy there are 17 per cent of abortions and 39 per cent of the children die during labor The abdominal route is to be preferred to the vaginal Deletrez reports a case of successful removal of two ovarian tumors by the abdominal route in the third month of preg

Banister J B. Pregnancy Complicated by Severe Mo b a Cordia Two Lases Tracted by Hyster otomy under Spinal Amesthesia. Lo ct Lood 19 4 cht 444 By Surg Gyne & Obst The first patient was a primagravida four months pregnant with uncompensated marral stenoss. M

the time of delivery she had ordema of both lungs she was delivered by taginal hysterotomy under spinal anxisticsia and died the next day

The second patient who was eight and a half months pregna t had myocardial degeneration. There had been three failures of compensation in the last three pregnances. She was d incred by abdominal create a section and was st rilured during the fifth decompensation occurring in the fifth pregnancy. Both mother and baby dud will

The author believes that he is rotomy sagnal up to the twenty fourth week, and abdominal after that date under spinal annestheurs is the best method of treating severe cardiac lessons as it ubject the pat ent to the least st am Success e preganancies maternally shorten the speciation of hie and for that reason terilization should be carried out whenever pract cable

1 C Java.

Bertlich H: Interference with Prefinancy and Labor by Malformation f the Uterus Especially Uterus Bicorni (Salva agerechaft und Geburtsstrungs be, Altsabid and des Uteru special be Uterus bicorni) Il lius Rund

By Zentrabli I d ges. G) nak. Geburtah d Grenzgeb The author discusses the disturbances of pregnancy and labor from bicornuate uterus basing his conclusions on 5 cases of his own and 66 from the hierature. The most frequent complexations are a tendency to premature interruption of the prey anney lengthening of labor rupture of the sterns, abnotrnibities in the position of the factus and another than the contract of the sterns and treatment are discussed in the contract of the ment Strassmann's method of unting the two hours of the birorance sterns is preferred. Surge

Remy S and Remy A. A Case of Death from Embolism during Pregnancy (Do. ca de most pur embolica course d a grossuse) Ret meu de g sele d'objut 1 d fédial 914 12 53 By Zentralbi I d ges Gynak. Gebustà. d Grezageb The authors report the case of a \I-para who after the fourth pregnancy had had an inflammation of the intestines from which she soon recovered The fifth delivery was rapid and uneventful and the puerperium pormal. In December 101 after he had stopped menstructing the menses reappeared, but the hamorrhage stopped under suitable treat ment and the pregnancy continued Sept mber 24th was reckoned as the time of the beginn g of pregnancy On the seventeenth of June she complained of pains in the cal es of her legs due to indurated cans but the trouble improved with rest and compresses Ten days later she had paus in the pubic region. On the morning of the third d suddenly became pale and of July she got up fainted Sh recovered consciousness but felt very had The pulse was had nd the re-piratous steadily grew more rapid In spite of abundan administration of stimulants she grew worse and worse. In the afternoon labor pause began. T. en ty two hours after the appearance of the first symp toms of embolism she died I ortal heart sounds were still heard afte her death, and as the pains had already dilated the os the child was extracted by erston The child was dead

Delagénière H Pernucious Vomiting of Pres nancy and Appendicitis (\ musements incombles de la grossesse et ppendicite) G de paés

By Zentr lbl f d ges Ganak Geburtsh d. Grenzgeb Del gúmère ga es five case histories in deta l'and point out that in certain umber of cases per nicious somiting of pregnancy is caused by chronic appendicit with acute or subacute exacerbations Appendent my brings about a cure of the oming without the necessity of interrupting the preg nancy lie believes that the majority of cases of permicious vomit ng are caused by some irritation of the pentoneum the pent as m being sen satisfied so to speak by the preg ancy The cause of the omiting in some cases may be appendicular oth is retrollexion of the pregnant uterus salpingitis ovarian cy is etc. I uch cases it is only necessary to remo the ca se n orde t cure the counting Emptying the t s has the same effect h c use the se sit eness of th uterus is decreased but if pregnancy occurs gain the omit ing is sure to return FRANKE STEE

Lynch F W: The Treatment of Pernicious Vomiting of Pregnancy J II k St II Sec 9 4 m.
459 By Surg Gynce & Obst
From his investigations the author concludes that

the term ammonus coefficient should be discarded as inaccurate in meaning unless qualified by the absolute amounts of ammonus it is supposed to describe There is doubtless a toxerime basis for all cases which describe the diagnoss of hyperemeass gravidarum These cases present the unnany findings of acidous The crystals of future and subject to be an indication of sharation subject to be an indication of sharation.

In cases of the chrome type the following treat ment has rarely failed Rest in bed a most impor tant Large doses of bromide 40 to 60 gr q 4h are given by rectum Sodium bicarbonate and glucose are also given Nothing a given by mouth for several days until the bromide has taken strong effect and comiting has ceased Liquid food is not well tolerat d Solid food especially broiled meat is given. With improvement carbohydrates are added to the diet Water is not given with the meals sufficient fluid being given as normal saline by rectum This treatment s not indicated in the fulminating type of case with icterus and other severe clinical symptoms Such cases should be aborted without delay Chloroform anaesthes a should never be used h trous oxide with oxygen is better than ether. In desperate cases morphine and scopolamine narcosis a tirged WM H CARY

Ca arzani D Bossi s Method in Osteomalacis (Dio Methode Bossi be Osteom laci) Z ni slbl f

By Destrable I deep Gysat. G burtab d Geestageb
The author uport the rults be hu that ed
with Bossu method of a free lin tre timent in
ost omalac a Bosst bel c that the adricals
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The se which receively been bit need by putatin then determined as the null of ne proc licials no a ling between lifer ent gland with it is secretion. Since out omade in a little base pooling fur to it will be influenced by all ge is that indicable his profit in the line profit

LABOR AND ITS COMPLICATIONS

Samonow St tistics of Dell ery in Contracted F 1 is (2 St t tik der G but her Herken, ge) F 1 hr f F of 1 obed by Monow qua By Lentralbi f d gen Cynals Lechurah a d Grenzgel,

The woll is based o 8661 obstetrical case
has new Of these 2.318 we i contracted nel re-

- 26 9 per cent There was operative delivery in 222 cases. In primipare the most of the operations were forceps at the outlet and in the cavity of the pelvis in multipare high forces perforation attlficial premature delivery etc. There was perfora tion in 6 7 per cent of the operative deliveries

Artificial premature delivery gave unfavorable results for the children of whom 75 per cent died Operative delivery was necessary in 126 per cent of the primipare with contracted pelvis and in 8 3

per cent of the multipare.

The majority of the operative deliveres were in cases of flat pelvis \$4,6 per cent of the primipare had a sornal purpersum after spontaneous delivery and 70 5 per cent after operative delivery in multiparts the figures were 00 6 per cent and 7,8 per cent Four women died. The motitary of the children was the same for prim parts and multiparts in operative delivery 35 per cent of the children were the mortilary to 4,6 per cent. Delivery was on the whole, conservative as 90 5 per cent of the cases were delivered spontaneously.

15.17728.

Stroganoff W W Management of Labor in Contracted P its (Ube die Leitung der Gebu t be engem Becke) R k h 9 4 No 8, 633
By Zentralbi i d ges Gynak Geburtah s.d. Greuze h.

The author gives a general review of the methods of operation in use in labor with contracted pelv s, and from the statistics of maternal and infantile mortality in operative delivery and spontaneous delivery with a true conjugate of 7 cm or more comes to the follow are occusions

In absolutely ontracted pelves—true con jugate 5 5 to 6 5 cm — casarcan section should be performed. In infected cases or those where infection is suspected it should be done by Kustner's or Latzko's extraorentoneal method.

2 W th a true onjugate of 6 5 to 7 cm and a la ing child case can section should be performed Perforation should be done only in case the mother refuses a major perat on If the child is dead per foration should be done

3 With a true conjugate of 7 to 8 or more and a heing child the author recommends (a) In prim para conservativ treatment If the head enters the pel is and operation is indicated forcers dehvery m y be undertaken If n the second at ge the head rem ins for some hours above the pelvic niet extraperatoneal casarcan section should be recommended to the mother If she does not con sent forceps hould be attempted and if this fails. perforation must be resorted to (b) In multipare who has had h ing nd stable children before espectant treatment should be tried first and then forceps or if the head does not enter the pelvis. publictomy. If the pat ent has borne o ly dead children before ind the deliveres have been ery difficult art ficial premature delivery should be proposed during pregnancy and if r fused publictomy forceps or possibly perforation should be undertaken during labor REBAR A

Kirstein Deli ery of a Woman with a Kyphotic Funnet Shaped Pchia (I. thudu gener Fran m t kyphotischem Trichterbecken) If airche f Gebert & a. G. pak 1914 xxxx, 71; By Zentralbl. f d. gen. Grank u. Geburush, a d Grenzgeh,

A very small primipara had a rechitic double S-shaped curvature of the spine and marked funnel shaped pelvis The promontory was displaced far backward the apex of the sacrum forward the tuberosities of the ischia inward so that the outlet of the pelvis was very narrow—true conjugate 5 transverse 9 cm. After 13 hours pains the head had reached the floor of the pelvis in good position Three hours later no more progress had been made Perforation of the hying child was being considered but contrary to expectation an attempt at forceps delivery succeeded and a strong living child was delivered without injury RUMENANY

Florence J Frequency of Shoulder Presentation Indications for Version and Linbry otomy (D la fréque ce des prèse tations de l'épaule in tions de la raion et de l'embryotomie) Bull Sec

d'ob i i de 23 & d i ar 914 ut 375 B) Zentralbi i d ges Gynák u Geburtsh s d. Grenegeh In the tropics where rickets is unknown and

abnormalities of the pel as are rate embryotomy is seldom if ever pe formed but version is performed even in extreme cases of trans erse presentation The author believes that podalic vers on should be undertaken only when the hand can be inserted in the uterus but that when the hand cannot be inserted a mutilating operation should be performed Rupture of the uterus by the hand is not much to be feared In 66 cases of version the author has never seen it occur Embryotomy with Museux's in strument with ut decapitation is to be undertaken only in severely infected cases of trans erse presenta tion as the latter method can be carried out with out a completely dilated or without special in struments and without any great degree of 1 mey

Potocki and Sauvage Retraction of the Uterus Potocki and Salwage Referencion of the Drespitato on the Decapitated Head (Retraction de l'utéru sur l'ête fetale separi pa decollation) A n d syné et debri 913 th 257
By Zentralbi l'd gra, Gynak Geburtab p d. Grenzgeb

In order to extract the decapitated head traction may be made with the finger placed in the mouth if this fails forceps may be used if this fails also craniolomy must be performed. If the uterus is cranicomy must be performed in the items is consultately contracted all these methods may fail et on under anaesthesa. Then an attempt must be made to relax the uterus by the gaying of large doses of morphine or chloral. The delivery of the head is then easy, and often occurs spontaneously Though the head has been known to remain in the uterus as long as 112 days such a delay should not be allowed as it is too dangerous If all other methods fail, the last resort is total externation The authors had to perform total exturpation after decapitation in a case of neglected transverse presents

tion in a girl of 17 as it was not possible to reach the head in any other way the uterus having contracted tetanically around it lifter having septic parotits the garl recovered.

Zimmermann R. Cause of Surprisingly Rapid Delivery in Disease of the Sp nai Gord (Uber die Ursache des überraschend schnellen Geburtabi wes bei Ruckennarkserkrankungen) A is f Guds 1914 in 163 By Zentralbl. L. d. ges. Gunik, u Geburish, s. d. Grengeh,

A III para had an attack of acute antenor pohomychtis, and barely three hours after the runture of the membranes a very large child was deb ered in spite of the complete lack of abdominal pressure and in spite of di proportion between the size of the child and the pelvis. Such a surprisingly rapid delivery would suggest the thought that the activity of the uterus is unbridled and that certain reg ulating inhibitions that are active under normal conditions were here done away with. Zimmermans points out that a reflex action on the uterus could take place only through the spinal cord and if a stimulating effect of the central nervous system is possible then the conclusion is justified that the central nervous system could also ha e an inhibitory effect on the activity of the uterus

Complete anasthesia of the lower half of the body does not delay delivery If total paralysis of the lower half of the body and the lower uterms seg ment together with the abolishment of sensation, is brought about by spinal anasthesia with storaint, in the first stage the frequency of the pains is de-creased and the pauses between them lengthened in the second stage, however as long as the an-asthesia continues the length of the pains increases and the pauses betwee them grow shorter. The inhibitory reflex that restrains the excessive arritation of the nerves of the genital organs and pelvic floor by the presenting part of the child is a wise provision as it protects the body of the partument woman from a too brutal effect of the automatic activity of the uterine musculature

Abifeld F Treatment of the Third Stage, and Manual Separation of the Flacenta Vactor-bursh-bandung und masuelle Flacensiaung/ Zitch f Gebrick Gubt 9 4 lavn, 50 By Zeatrabh f d ges Gyank u Gebrush a d. Grangeb

Ablfeld comes to the following conclusions The less external manipulation of the uterus is done the less necessity there will be for manual separatio of the placents. The cases that do occur will he due to pathological cond tions, and are not dependent on the expectant method not on external manipulations

PUERPERIUM AND ITS COMPLICATIONS

La Torre F : Nutrition in th Puerperium (Cons al deve nirre una puerpera) Ci s estet Roma, By Zeatralbl L. d. ges. Gynak. u Geburtah a. d Grenegeb.

The author thinks it desirable that physicians should go a more attention to the subject of diet

and reach some conclusion as to the dest of mothers and of grandmothers or old women. In order to decide what mutration is suitable for the purperfum we must take into consideration what has happened and what is still to happen the towns collected during pregnancy and halor must be gotten rid of and the body must be brought back, into a normal number of the properties o

If the physician keeps clearly in mind that the puerpenum is a time during which the injured organism is undergoing a restitutio ad integrum it will give him a clue to the proper diet to be given though of course the constitution and conditions of life of the patient must be taken into consideration He will probably have considerable opposition to o ercome in the carrying out of such a regime for the public is all too much incl ned to adhere to the old false ideas according to which the body of the woman, in need of restoration to strength was still further weakened by a diet of tea and other nonnutritious substances and by excessi aostezua The author thinks that many diseases of the puerperium e en permanent injuries to the system can be avoided by a sustable diet

Beckmann W Puerperal In ersion of the Uterus (Eange Remerkunge ber d pu rpe al Uterus1 ersion) Z nirelb f G ak q 4 xx n 649
B) Zentralbi f d ges Gynak Geburtsh d Grengeb

Beckmann reports two cases in which he under tool, operain removersion by Kusiner Piccol is method. Both cases were apparently pure cases of inversion, but afterwards both showed serie symptoms of infection from which one died. Therefore before the operation he treated the inner surface of the unerus in the second case with intertion on it. He fair Douglas por hope and demand it. There was local infection of the pehic pentioneum but the patient recovered.

He sees a furthe disadvantage of this operation in he gaping of the edges of the uterine wound In both hi ases he thinks the inversion was entirely spontaneous he explains it as he result of decreased to us if the uterine mustle in connection with paralysis at the 1 of the placents abort cord large placents or location of the placents at the fundity.

Filint J A R tradisplacements of the Uterus, Following Confinement Am J Obt. 04 | By S rg G) ec & Ob t

The author calls ttention to the fact that while many papers are written on displacem at a little has been said of the frequency and causation and that the writers of textbooks a batefree have passed it by with a few general statements egarding the use of the knee chest position in the pessary

In 212 pm site and hospital patients there was a retroversion in \$8 or in 21, 3 per text). (O 37 cases occurring in hospital practice \$25 were primiping and 9 of these had no apparent laceration. The author believes that retroversion after labor is accidental occurrence that is a heavy uterus (redy movable in the pelvis may be turned over back ward or may remain forward according to a vaniety of circumstances. He cites two cases in which the uterus was found in position and in which a retroversion occurred a short time later due to constipation.

A slowly involuting or a subinvoluted uterus abnormally movable after confinement and often associated with lacerations, is the condition which causes retro ersion

Lacerations of the penneum and of the cervix delay an olution not only of the uterus but of the vagina Of 25 primipars lacerations occurred sixteen times a frequency of 64 per cent and in the 37 hospital cases lacerations occurred the entry six times or in 73 per cent 48 per cent of the primiparse had a laceration of the cervis.

In too cases in which there was no retroversnothere were 8 prumpars and 22 multipars Of the 78 prumpars lacerations of the perincum occurred trule e times a frequency of 13-7 per cent and lacer ations of the cervix 14 times or approximately 18 per cent 03-7 per cent of the multipars had access per cent 03-7 per cent of the multipars had access per cent 03-7 per cent of the multipars had a complete tear through the planeter but no displacement of the uterus

By a coding lacerations by adding the involution of the uterus by routine binanual examination and the us of the knee chest position after the twelfth day the author belie es that half of the retrodisplacements can be prevented. When retroversion does occur the treatment should be begun at once C H Davis

Jeannia, C. and Levant. A Prognostic Value of Study of Haemokonics in Icterus during the Puerperlum (Contrib uon à l'étud de la aleur propositique de l'recherche des hémocomes dans les acteres de 1 puerpe alt.) 1 h se su d'ébi 1 d' l'é 19 d' 20 173 By Zentrahl 1 d ges Gynak u Geburtah d' Grangeh

pycentami i d ges Gynak u Geburth d Grenzpel Hatmolonus discovered by Muller in 1850 can be studied expectally well with the ultramicroscope. They appear in great numbers in the block digestion and from differences in their number conclusions can be drawn as to the function of the live. With this in view the authors made blood examinations in inforcations of pregnancy and on pureperal infections. The examinations were made with the diffrance/paced.

In the first case there was marked cterus dun g prepancy. After the gaving of butter there were minetess numbers of hemolomus in the blood which had not been present before therefore no operation has necessary. The delivery was normal. The permicious romning of prepancy was present in the second and thard cases. In both cases there

were only a few hamokoniæ in the blood—two to three in a field therefore the prognosis was grave. Artificial abortion was performed followed by rapid recovery

The fourth case was puerperal infection with interus. There were no hamokoniæ in the blood. The patient died. \u00e4utopsy showed severe changes in the liver

In the fifth case there was infection of the amounts fluid there was slight lettens, but no hemologue. Death ensued on the third day There were marked changes in the here which were demonstrable however only under the mecroscope important conclusions can be drawn therefore both as to prognosis and treatment from the condition of the hemologue. Lacf, of them always indi-

MISCELLANEOUS

cates severe lesions of the li er

Pinaré A.: Signs and Diagnosis of Normal Vierine Pregnancy during Its First Hall (Signs & diagnostic de la gestation utérine et normal pend at as prenuère motté) 1 d gi & i d'obsi 014 x 1 tot

By Zestrabbi f. 2 ges. Gya.h. u Cabutah a 4. Grengebt The author ducuses the ages of pregnancy that appear in the viry beginning and are manufest in the uterus () the ceasation of mensivation and (3) the combined examination of the uterus b) Pursos method (3) pregnancy is very probable when there as bullowinesh to pressure He could when there as bullowinesh to pressure He could without using force in the examination. He

believes that the soft parts of the uterus are much

more elastic and compressible in German than in

Franch women

France, R.: The Antiprotectific Scrum Action in

Frequency Labor and the Purspectium and
the Significance of the Antipropial Wethod in
the Serological Diagnosis of Frequency (Unethe antiprotection-fram in

By Zonziala I of ges. Gyank u. Geburtah d. Grensgeb.
The author aboved in an earlier work that the
uncrease of the authory the serious titer is a payington
of program and authory the serious titer is a payington
of program and authority to the serious showed that
in all probability there is an increase dumpe the
course of pregnancy and labor further experiments
were necessary to complete demonstration

With the and of the Fuld Gross method and it motherates by Rosenthal and Pfcier I rean tested the blood of 47 women at different periods of pregnancy labor and the puncepenium. The titer curves show that in the great majority of the case (34) the titer ruses under normal conditions during pregnancy and labor and gradually sinks again during the purpersions. The nee during labor

occurs during the first and second stages while varduring the third stage it annals to a vidue that is almost as low as that at the end of regulacy When inflammatory diseases counts with the prig nancy there may be a further rise. In the cases of existings and one of dermatous of prignancy there was an antitryptic action which was in creased over the normal

The rise in the titler can be used in the diagnoss of pregnancy it is not specific honever. It is increased in my condition in which there is increased in any condition in which there is increased in seasons with the contract allowing metabolism such as applicit, accranional Basedows disease fewer suppurative processes and disease of the adners. At present, it is not known whether Abdersiadens of dispass in preferable to the antitrypain method on account of greater specificity.

Abderhalden E. and Poolor A. Purther Study of the Preserce of Foreign Protocytic Fermentain the Blood of Pregnant Women Essams states of the Dilabases with Nuthydria and Determination: I the Sanier Time of its Mirrogental Company of the Protocytic Proportion of Protocytic Protocytic Protocytic Protocytic Protocytic Protocytic Protocytic Protocytic Proportion of Protocytic Prot

li A &r 10 4.1 765 By Zentralbi i d. ges. Gymik. u Geburtsh. s. d. Grenzgeb In this series of experiments the authors determine the catabolism or non-catabolism of placental albu m n with sera from different sources not only ith numbydran but by determining the nitrogen in the dialysate by Fregl's micro analytical method Th experiments showed marked agreement in the resuits from the two methods \on pregnant patie is almost always showed a somewhat lower nitrogen content in the dialysate. In some cases - cystoms and retroversion - this difference was considerable The increase of the dualy zable nitrogen containing substances when the serum of pregnant women and placenta is brought together and the failure of this phenomenon when the serum of non pregnant per sons is used shows very clearly that in the latter case the placents is not catabolized. The author believes that Flatow is wrong in his assertion that all sera catabolize placental albumin

Echols, C. M : Limitations of the Disiyals Method as a Practical Test for Pregnancy J Am H A tota kni 370 By Surg Gynec & Obst

The author carried out the dialysis test for pregnancy in 93 women to of whim were known to be pregnant list results may be briefly summarized as follows

The pregns t women of the series practically all gave posit ve reactions fact the last fifty among all gave posit e reactions except one who was bout in weeks pregnant as proved by an bortion to months later T el eper ce to tit he on pregnant cases ga positive reactions. These included

several just operated on for acute or chron c appendicitis pus tubes fibroids and ovarian cysts

The dialysis test for pregnancy in its present stage of development is of value chiefly in a negative sense only that is, if a woman fails to give a positive reaction she is not pregnant. If on the other hand she gives a positive reaction we can only say she us probably pregnant for with the present tech pique from ten to fifteen per cent of non pregnant persons will give positive reactions

EDWARD L CORNELL

Leitch, A.: The Serum Diagnosis of Pregnancy and of Cancer a Critical Study of Abderhal den a Method Bu M J Q 4 u 330 By Surg Gynec & Obst

The author reports 100 cases tested for carcinoma n which 51 cases of known cancer gave only 55 per cent positive results while 40 known non malignant cases gave 37 per cent positi e results. He con cludes therefore that the method is without

diagnostic value He behaves that the fundamental experiments upon which Abderhalden has based his hypothesis do not cox r a sufficiently wide field. He thinks that many of the unexpected false results obtained by numerous we kers have not been due as Abder halden believes to improper technique. To dem onstrate this point he considers all the errors that may be encountered in deal g with the substrate

the serum and the dialyzers He considers it impossible to render the placenta cancer tissue or other material used as substrat absolut ly free of blood although Abderhalden requires th t this shall be done to make the test uccessful. He has moreover observed that the water in which the substrate ha be boiled occa positive reaction with a weak sionally gives soluti n of ninhydrin and non with a stronger nd that uccessive boilings will som times de velop a filt ate which reacts post ly who the He is unable t previous tests were negat explain these phenomena but considers that they materially vit ate his results. H. has test d ao sera with such mert ubstances t rilized sponge kaohn and glass wool used as substrates and has ma ked posit e results. This con vances him that t is not so much the scrum that plits up the substrate as 1 is the substrat acting by virtue of to physical properties that pluts up the **SETUM**

Hamoel but ited serum is appare the har a t ri tic of some patients and apparentl in es a maller pe nt ge of 170 th n when absol t ly lear serum sed In the gre t majority of the uthor ase the serum was obtained at oper tion or bout a hours alt the l t m al H lound hower r that it ga no bett r re ult tha the serum brained whil the patie t was ating or Inctly aftern rd

The perm bility f • gie lialyzer was f und

not to be const 1 b t 1 de rease or ner se with

Consequently a thimble that had previously given a satisfactory preliminary test might be absolutely useless when employed with a suspected serum. The author believes that the only way to obtain reliable readings is to manifold the tests and controls and strike a just average. In his opinion a single test is worthless

He concludes that (1) the real fallacies of the test are beyond control and (2) that the hypothetical fallacies invoked by Abderhalden to account for false results have no basis in fact

Engelhorn E. and Wintz, H A New Skin Reaction in Pregnancy (Uber em ue liautreak tion in der Schwangerschaft) M nehe

By Zentralbl. f d ges Gynal. u. Geburtsh s. d Grenzgeb

The authors give a report and discussion of the pregnancy reactions published by Abderhalden Weichardt and Rosenthal. All these reactions are based on the assumption that during pregnancy a foreign albumin is circulating in the blood of the organism. To demonstrate these hypothetical substances the authors made use of a cutaneous vaccination with an extract of placenta called placentin. The react on is analogous to you placentin The react on is analogous to you Pirquet's tuberculin reaction and the luctin reaction All pregnant women reacted positively and all mature non pregnant individuals negatively fore menstruation in non-pregnant individuals there was an irritation at the place of vaccination

m E3 Changes n Pregnancy and Labor (Ube A gen anderungen h Schwangerschaft d Geb n) U nat kr f Geb risk G3 ak

By Zentralbl f d. ges Gynal. Geburtsh s. d Grenzoch The in of ement of the retina in the kidney in flammations of pregnancy is relatively rare. Usu ally the symptom is the seeing of only a dark spot when looking t a fixed object With the m rror ch ges can be seen in the optic nerve and the ret a Complications during pregnancy are detachment of the retina and occlusion of the cent al rtery or ein The prognosis of albuminume retunitis a th regard to vision in later lif is serious Detachm t f the retina has a better prognosis in

Interruption of pregnan 3 is justifiable in retinal changes and it is better to perform it before pronounced changes take place in the retina. If retinitis has begun the risk to the mother's sight is not so ery great if the pr gnancy is allowed to continue The condition is different in urem a

n egnancy tha at other times

which the blindness is a c rebral one Sudden blindness may occur in clampsia also generally it is preceded by a decrease in usual acuity and i color visio. With the mirror no signs of increased intracr mal pressure re detected but in about four per cent of the cases there are extens: e harmor hages in the choroid a d thrombosis of the vessels of the choroid C tion should be exercised in the prognosis of these eye changes both with relation to the severity of the erlampsia and the later dis turbances of vision. Francements

König, H.: Medicolegal and Psychlatric Significance of Menstrustion Pregnancy and Labor (Be trige or formatic psychatrachen Bedeutung von Menstruston Gravidutt; und Geburt). A ch. f. Proch. Arcent anh. 1914 in 68. hy Zentralbi. I d. gen. Gyakb. u. Geburths. a. G. Grenzgeb

If misdemensors of any land are committed by a sexually mature woman an investigation should be instituted as to the relation in time between the act and her menstrual period. In certain cases it is well to place her under medical observation for one or better still several months. In each individual cases a decado must be made as to whether her

responsibility is decreased or annihilated When a crime or misdemeanor is committed by a woman during pregnancy her condition must always be taken into consideration. At this time any predisposition to abnormality may become manifest or be increased in intensity but even without predisposition tendencies to crime may develop at this time. Here also the degree of responsibility must be decided in each individual case. In crimis committed during isbor twilight conditions due to unconsciousness and excitement or manis must be considered also stupor or twilight conditions based on hystema also such conditions due to eclampsia and epilepsy as well as delimin from lever and pronounced paychoses. In such cases when there are any signs of aberration a mental examination should be made HANNEL

Triepel II Determination of the Age of Human Embryos (Altersbattmaning bei menschliche Embryon) Anni (s. o. 4 1 383 By Zentralbi / d. eg. Gyath. u. G. burch. s. d. Grenzgeb.

By Zestrahl I d ges Gysak u G burek a G Grangel. Thepel agrees ut the opanon of Frankel Allemin Miller and others that outsiton takes place on the werage si to 10 day after the begin ming of the last mentioration. That is about a week as the prevailed the second of the age of human embryos need correction. In a number of young own and embryos Trip eli tred to determine the age and compare the age by the old method with that by the nextly redoned term of pregnancy. If worked out a ertain relation between the sare of the embryo and that get The Browniana — all invited a region of the compared that the same of th

Schmitz, W Icterus Noomatorum (U terauchun gen zur P thogenese d klunk des Icterus neona torum) Dissiriai C case 913 By Zentralibi I d. ges. Gynk u Geburtish d. Grenzgeb.

By Zearanni. I a gen cyana a common a consequent In 1917. Heimann made a la ge number of blood examinations in reterus aconatorium and his results had not been tested succe until Opits advised the author to take up the question again. Serological examination and Arneth's blood count were not made. The author agrees with Hofmeer's hemehepatogenous theory of seteru neomatoms, the found the hemoglohu content specific gravity and erythrocyte count below normal and the more sever the icterus the lower they were. The same was true of the number of white cells but there was no variation from normal in the proportion of the different kinds of white cells there are seen no

decrease in the cosmophile cells. Children three days old were selected and kep under examination for four days. The results of examination were the same on all four days. The absolute figures for hamoglobin specific gravity and red and white cells were always higher in the normal children than in those with scterus The severer the leterus the lower the figures. In those with moderate interus the weight increased from that of normal children and fell in those with severe icterus. Children with icterus need more nutrition. Aucleated red cells, which are rare in normal children were more frequently found in those with leterus often even on the fifth day Frequent pictures of the blood of ictene children showed greater or less collections of unformed plate-PARTE LOSS.

Tassius, A. Gonorrineal Ophthalmia Neonatorum Its Prophylazia and Treatment (Uber Ophthal moblemorrhoea neonatorum shre Prophylaze od

Therapie) F sur dr.1 9 4 xxix, 08.

By Zentralbi I d ges. Gynal. u. Geburtsh. s. d. Grenzgeb.

Macroscopically cases of ophilalms necontorms are very much alies whethe caused by gonorhea or not latter in the course of the disease the differences appear which are due to the gonococus, such as most ement of the center, more purpless seem to the counter segment of the counter of the counter of the counter of the counter of the purpless of the counter of the co

The decease generally manifests used on he such to the tenderstein duy be cased that appear on the third to the fifth day are mider and are effectively tested with o a per cont hichorde solution. It is not always right to regard a late infection as an underect one for many times the genocous are deposated during labor in the melbonian glands where they remain visible for a long time and later reach the conjunctive with the secretion. From the conjunctive with the secretion of the control of the configuration
Vollhardt, W. Ie it Possible to Distinguish Marernal and Fostol Bloods by the Never Methods, (Is die U tersched ag mitt kehen al fluids Blurre nach neveren Al thod mbglich)? Zestraill

By Zentralbi i d. ges. G. pal. Geburtah d. Grenzeb.
The diff rentation of maternal from fortal blood
may often be decast e in case of suspected murder of

a child after illegitimate birth or cumunal abortion to viblandt has trued two nethods that are very motus under discussion at present and concludes that Abdunhalers a pregnancy reaction cannot thus the bused for the purposes of legal medicine. It only great certain results with fresh serum but fails in old, non stehle and harnoly the sera and in extraction is used, the reliability of which the suthor could not confirm.

Better and more accurate results are given by venuman and Herrmann's bonchemical method which however is not absolutely reliable from all points of wew it can only be certainly determined that it is first a blood when the test is negative or when there is only a hortly perceptible opaleser change an the alcoholic extract. If it is spositive no definite conclinions can be drawn as to whether be blood came from a pregnant or non pregnant in dividual, or whether it sata nuture of maternal and feetal blood that flowed together during delivery

Deresse, F Causes which Prevent Women from Nursing (Des causes qui mpèch t les f mmes

d allatter) Rev prat d'obst et d' pâtiot 9 4 xxvu 5 By Zentralbl. f d. gres Gynsl. u Geburtsh d' Grenzgeb

Statistics are given from Marfan's clinic 100 cases Baudelocque s, 500 cases and Tarmer's 3,060 cases in regard to the capacity of a men for nursing Agalactia or hypogalactia occurred in less than I per cent of the cases Of the So to 8 per cent of the women who were completely capable of nursing only 3 per cent nursed their children In the more prosperous classes on account of heredity and bodily weakness the incapacity for nursing is greater than among the nothing classes The author studied the causes for not nursing in 100 cases at the Baudelocqu clinic In 80 cases the cause was the economic position of the women In only 20 cases were there psychic or medical reasons why nursing wa impossible. Prophylaxis and treatment could have overcome the neapacity in half of these case. The economic grounds were gnorance in only a few f the cases in th greate number of cases the w th of the w men prevented them from nurs ng their child en. Here efforts to further the nursi g of the children should be instituted by the tablishment of mother's rooms nurshing a homes to LANGE

Parenago, P. A Placenta Retained in the Abdoment for a Long Time after Extra Lerthe Pregnancy for a Long Time after Extra Lerthe Pregnancy is achieved to the Company of the Company By Zentzah I d zes G nak u Geburtah a d Granzech

By Zentrally 1 d ges G max u orburts s. d Greangeb In Januars 1910 a full term macerated fortus was removed from a patient and t was said that the placents was removed also Extra uterine preg nancy had been di gnoed: t in fourth mo th but the patient had refused operation. In December 1914 the patient came to the author. There was a large fistulous opening in the scar in the midling which was to com long. The hand could be unserted into the opening. A soft cauliflower like tumor the size of a child a head could be paliparted through the fistula. Because of the abundant himmorrhage the patient was operated on an extremit. The tumor was removed and was found on macroscopic and microscopic examination to consist of unchanged placential tissue. The patient was discharged cured. The author concludes from this case that in extra uternic pregnancy the whole placenta should always be removed.

Winter G: Sgnificance and Treatment of Retained Fragments of Placenta (Uber Bedeutung und Behandlung retimerter Placeptassücke) Mossink f Geb ! k G ak 0 4 xxxx Sgn By Zentzibl f d. gs Gynak u. Geburtch a. d. Grenzgeb

From a study of the work published sance the Strassburg Congress Wurter comes to the following conclusions with regard to the significance and treatment of retained bits of placenta. Very frequently the retained fragments of placenta cause no local or general symptoms and when they do in the majority of cases it is only local endomethrus with necrous of the fragment of placenta. The retained placenta never of itself causes severe pureprial feet b it it spossible that it furthers the infection that results from direct examination and medical procedures

The uterus should not be curetted for diagnostic purposes in febral puerperse for it causes disease in one-half to two thirds of the cases and death in 7 to 9 per cent Harmoly I c streptococci seem to be especially dangerous Curettage should never be undertalen for fever but only i r hamorrhage. Retained pieces of placenta should always be removed immediately after delivery and during the puerperium in non febrile cases also in severe hæmorrhage in spite of fever. If there is no hæm orrhage ergotin should be given to further the spontaneous discharge of the retained fragments. If this is not successful further treatment should be determined by the esult of bacteriological examina-Saprophytes indicate curettage virulent bacteria contra "ndicate it It should be performed whenever possible with the finger never with sharp instruments

thuillon L. The Comigac P I is from the Obst trical Point of View (Cont b tion à l'étude insque des bassi consigues point de vue obst.trical) The de doct Algret 92 By Zentralki d ges Gank u Geburtsh s d. Grensech.

The coxalgor pelvis does not have any certain, described type such as Nargeles anhylot cobloquely contracted pelvis, but shows great variety in its form. In the course of the disease the factors that determine the ult mate form of the pelvis are the acute or slow onset of the disease.

its shorter or longer duration, the degree of the bone changes on the diseased and well side and family the treatment long continued immobilization long continued extension immobilization combined with extension resection followed by pseudar throsis or ankilosis.

Depending on the degree of each of the above factors and the combination of several of them, there result a number of forms of pelvis all of which an be dasafied more or less easily, in one or another of the following three groups (1) The obliquely contracted coxispe pells with flattening of the diseased side (2) the obliquely contracted coxispe pelvis with flatt mag of the with side of (2) the pelvis with flatt mag of the with side of (2) the pelvis with flatt in mag of the with side (4) the pelvis with flatt in got of the with one (3) the pelvis with flatt the pelvis with t

the chiled diagnosas the author attaches special importance to anternal examination special special importance to anternal examination and especially rontgenography by Bouchacourt's method as well as to esternal pelvic measurements. The prognosa for delivery is not dependent on the prognosa for contaction produced by it. It has been appropriately that the prognosal propriet and prognosal prognos

eighth moath of pregnancy

The following are the methods of choice in treat
ment (1) britheral premature delivery after the
eighth month if it true conjugate is over 8 year
(2) publishing in multiparts and when the true
conjugate is liss than 8 years and more than 7
(1) exastron action when the true conjugate is

less than 7 cm and when no hyang child has been born at previous deliverna.

listenes of five of the author's own case me given. Three of them were delivered apontaneously one fleft the hospital before delivery and in one publications was performed with good results for mother and child. Logis

Untiled: Lifect of Pituitrin on the Uterus in Vitro (Zur F ge über die Wirkung des Pituitrus auf de ischerte Gebarmuter) F si br f Prof Pobel

by Mostow 9 4

By Zentralbl. f. d. ges Gynsk. u. Geburtsk. s. d. Grenzeb

The rabbat suternas shows automatic contractions after at a transved from the body every contraction forming a blunt cone on the curve. U det the in slucace of pensisten the waves become higher and the pauses shorter. The effect of patients beginned as left of a tote minutes a varying with the minutes and the state of the contraction of the contraction of the contractions as not changed lettaine contractions appear of only in a cercitorial cases.

There is no difference between the different pretations. Generally a solution of x roos is regressing. The solution of x roos is regressing to the possible that weaker solutions would produce a create effect. The best subject for the speniments as the uterus of a rabbet that has been chosen preferably one which has been choiced within 8 of x or days. The virgual rabbit surrecutariest only slightly. The pregnant uterus cannot be traced by cause contractions may be caused by the wovements of the fetus. Paverse wovements of the fetus.

GENITO-URINARY SURGERY

KIDNEY AND URETER

Grove E. H A Nersous Symptom in a Case of N phritis. J Lancet 19 4 xxx1 438
By Surg Gynec & Obst

Grove's patient a telephone operator aged 28 with little of importance in her previous history was taken sick with headache nausea and omiting The nausea disappeared but the v miting con tinued She was treated symptomatically by lavage rectal feeding, and eventually a light dict Lat r she was under the care of a chiropractor for two months During the third month an unnalysis was made and albumin found the usual treatment being prescribed In the fourth month coming under the author's care the following were the findings of an examination hamoglobin 98 per cent systolic blood pressure 30 mm unne sp gr 10 8 alkaline much albumin no sugar triple phosphates hyaline casts quantity ,000 ccm in twenty four hours. The usual treatm nt was again presembed plus rest in bed. So long as she Lept in bed she was able to retain her food but when the arose comiting returned. This om ting came on soon aft r eating preceded by queer feeling which was he ed by comiting but I ft he cry hungry Her weight diminished from 45 to 1 7

Pounds During the ninth month another examination gave pract cally the same results. She was gain Put to bed and later allowed to be up and about She was then given A iswange electrical treat ment - negative head breeze and Mort n wa e current - during which t me she was able to retain most of her meals Wh the electrical treatments were disco timued she admitted om ting as before but confessed that she could a oud doing so by

exerting all her self control

In the discussion that followed the hysterical aspect of the case was thoroughly as dered It was pointed out that in bronic Bright's disease there are a arrety of neurological disorders, both psychic nd sensory Bernard's famous peri ment in which he produced albuminum by irritation of the floor of the fourth entricle was cited Em phasis was laid upo the fat that chron Bright disease is a totarmia ther than a disease of the hidneys and that the bra and nervous tissues as well as the lidneys m y be affected especially n ubjects who use thei ner ous tissues exc savely One observer had noticed in a number of thronic cases I Bright disease an ntoxicatio so characteristic of Gra es disease the tat was not atil the urine was alyzed at the blood pressure taken or th)e ground exam ed that the true

nature of the disease was determined. The vomit ing in this case was of a cerebral type, and not un like that present in acute exacerbations of hyper LOUIS L TENBROECA thyrodism

Tyler A. F. Urmary Calculi Valu of the X Rav in Their Diagnosis. U d & Cut Rev 10 4 By Surg Cynec & Ob-t III. 345

Tyler describes his technique for rontgenologic examination of the unnary tract which is similar to that generally in ogue. He emphasizes the necessity for careful preparation of patients previous to examination and further calls attention to the so called old teal ettle bladder in which there is a deposit over the entire mucosa of calcareous material — here the plate shows a diffuse shadow o er the entire bladder region. He urges the use of the cystoscope for confirmation of findings Four interesting cases of diagnosis by rontgenologic exam mation are reported and the following conclusions are reached

I The use of the radiograph in the diagnosis of the Lidney ureter and bladder stone is painless and should be emphasized in all suspected cases

2 The X ray findings are more accurate than those by any other method there being only one per cent of error unde proper technique
3 The use of the radiograph gives an accurate

ide of the location size and number of the stones 4 In badly infected and aged subjects the radiographic method is painless and positi e and often does away with the necessity of cystoscopic examination. J S Ease STAEDT

Grant II H The Management of Acphrolithia sas Louselle Math J By Surg Gypec & Obst.

Grant reviews the subject of nephrolithiasis mentioning the generally discussed and accepted theories connected therewith

His pape is divided into four sections How do stones form n the Lidney?

What damage do they do

How do we know they are there What is to be done bout it? H believes in a aseptic inflamm tion in

volving the pelvis and sometimes extending to the interstitual tissue f the kidney as a common result of the irritation due to the presence of stone which is usually present some time before infection takes He do bts the frequency of ascendi g infection through the lumen of the urete but believes it

reaches upw rd along the lymphat co of the urcteral wall and the loose connect: tissues diacent

When stones are situated in the upper urnary tract they primarily have their origin in the kidney and migrate from there They do not form in the ureter

The real damage to the lidney substance and associated break in health follows sepsis with its resulting renal deficiency and absorption of pus broducts.

When stone is suspected a failure of the \ray
to show it should not be accepted as conclusive but
repeated examinations abould be made and exploratory operation done if climea indications point

to a Lidney lesson

Operative mortality is high in cases with advanced
spiss and in actual py elonophinus with multiple
abscess the prognous is dismal—as high as 30 per
cent

Grant favors direct operative approach to the stone and nephrectomy where the kidney is hadly damaged

Schildecker C. B.: The Post-Operati e Treatment of Urinary Lithiasis T in Ass 0b 1 or 63 of

Buffalo rigit Sept B; Surg Gyner & Obse. The author believes that too thile attention has been paid to the post-operative treatment of unnary thinkass. The treatment instituted should be based on the chrimical character of the stone as determined by an analysis. On this basis occursal detection and the chrimical character of the stone as determined by an analysis. On this basis occursal observation as more stone or otherwise dumnish the tendency of growth of a stone abready present. The points overed by the pages were (1) Kinds of calcula to be comoldred (2) chemical methods for analysis of the control of each of

Buerger L.: Perirenal Hydronephrosis, Pseudo-or Subcapsular Hydronephrosis. Am J Surg 1014, 2xvii 166 By Surg Ginec & Obst

Buerger calls attention to the ramy of the condition which ensice when the unnary secret on finds its way under the fibrois capate of the kidney and dissects this away from the surface of the organ so that as pendoys a former most descriptive being remeal. hydronephrosis, pseudohydronephrosis predictions and suberputies by the condition of the

In the first case there existed a congenial obstruction to the untrany outflow in the merchial trait is an infast nine months of age which was associated with under cloped infantile islandly together with a hydronephrotic kidney Upon nephreticiny; a large subcapaula exidation unrou ding a hydronephrotic cider outflower than the control of the control is the control of the hydronephrotic kidney had occurred, and through this, minary extra sastout note, place under the capaule of a city of the control of the cont

secting this away with the formation of a pseudo civil

The second case a boy 14 years of age had natory of a server blow in the left upper ablance and the back five years privous, followed by repeated attacks of renal color. After a second traumatum over the real color appears with the color of lumbar pan followed; associated with unmag and blood in the unea. Applications aboved a large yield the unear the property of the accumulation of a unious emidal to make the capable a hydrophotic blood of the corner and a surrous emidale under the capable a hydrophotic blood of the corner and the capable as hydrophotic blood of the corner and the capable and accept the capable and the capable a

Brefly the author's two cases presented the following characteristics hydronephrous with marked attenuation of the renal parenchy ma in both instances in one case a distinct history of immatism. In petither case were the chinacid data sufficient to rouse seen a suspicion of the exact anatomical Issue.

Loughnan F M: Renal Sarcoma of Infancy Best J Su g 914, u, 17 By Surg Gyace & Obst.

The author a report is based upon thirty 6 cases (26 autorsaes) garacred from the principal London hospitals In the decade 1901 1911 the detail returns from the regulars general a office for cases of the kindry and superness a captale amounted to 697 of which 450 were under the sage of five year and the halance from five to fifteen years themes

a relatively high ratio in the infant Sympi metodog. The patient appears lastes, pale and emacasted in spite of the large abdonnes which is oftentimene the first noticeable sympion. Pans in the loin or back was noted in only 8 of the SS cases. Feet enging from opt to ret degree set the release is common in rapid sattonna. A mild elencocytoms was observed in a few cases, and a

cough probably connedent with lung metastass. Ur sail is in the yr cases hermatuma occurred in y while moder observations and in y additional cases a handy of hermatium, and obtained Kate hermatiums or allowinouria was present in 10 cases in adults on the contrary hermatiums occurred in adults on the contrary hermatiums occur appeared to the contrary hermatium occurs oper cent and as an initial symptom, or y per cent and its an initial symptom, or y per cent and the new tends tests depend for their interpretation upon the relat ve output or findings as one things as contrasted against the other and so are of no alue in infants. Sevent, it we per cent of the milant cases den en on be effit from manalysis.

Paisoley In the 35 cases the disease was on the left and in 7 on the 35 cases the disease was on the left and in 7 on the 35 cases the disease was on the 10 cases which is a second large time of the 10 cases which is a second large time of the 10 cases which is a second large time of the 10 cases of 10 cases which is a second to 10 cases which is a second the 10 cases whic

collecting tubules) cartilage and epithelial pearls and ganghon cells are also occasionally found. These structures are very rarely true teratomata but more frequently teratoid the result of metaplasia (Adami) The epiblastic elements are generally limited by their basement membrane

Pr g osss Eighty per cent are said to have had recurrences 70 per cent the first year. The immediate operative mortality was 7 7 per cent a reduction from 26 per cent in 1885 Out of 12 nephrectomies 2 died in six months from recurrence 1 in 3 months from phthisis 2 were alive and healthy 18 months afterwards Four survived a years and in 2 cases the results were unknown

Essendrath, D \ The Chuical Aspects of Renal Infection I ter 1 M J to 4 to 764
By Surg Gynec & Obst

LOUIS L TENBROSCE.

The writer says that in many cases of renal in ection the local signs are completely or flooked because of the general symptoms of septic in toxication Many cases are masked by the pseudo malarial chills and fever or a typhoid like course of temperature and te derness and other symptoms of renal infection are so indistinct that the kidney

is not considered as the source of the obscure fever The most rehable clinical evidences are obtained by the use of the cystoscope the urcteral catheter nd the \ ray Tenderness over the Lidney may be elicited either by himanual palpation or by palpa tion at the costovertebral angle. Pel 1¢ lavage is of more assistance in the chronic ase than in acute

infection of the renal pel us

Infection of the kidney may take place by one or more of four routes or by a combination of sc ral The first the hamatogenous or blood oute second, the urogenous along the interior of the ureter where the micro-organisms migrate up in the stagnant column of urme into the pelvis f the kidney third the lymphogenous route 1 e f om the lymphatics of the bladder to those of the ureter and up alo g the latter to the pelvis and into the lymphatics of the ladney and fourth by way of the connection of the lymphatics of the colon with those of the wrete

Many cases of renal infect on are dependent upon the p esence of a calculus blocking the ureter re formation of re al calculi is not infrequent and must be considered in gi ing the prognosis of any

case in which a t e h s be n remo ed Calculi are pt to re form as lo g as a mi ction is present since such Lidneys are oft the seat of a chr me

colo bac llus infect

If the opposite k dn v can functionate to both primary nephrectomy s to be pref rred to a co servati e method in ad need cases of renal infection but conser tism should be the rule n all case xcept those of the hyperacute type in these nephriciony should be performed as e riy as possible while a the ac ! form the c meenates methods sho ld test be tried

Peacock, A. H 1 A Study of Twenty Cases of Renal Vorikaest Med 10 4 1 205 Tuberculosis By Surg Gynec. & Obst

The possibilities of the present-day exactness in the diagnosis of Lidney tuberculosis is touched upon by Peacock brief histories of twenty cases being shown part of which were proven operative and part non-operative. He considers that the cases practically always come late to the genito urinary surgeon because of the primarily misunderstood c) stitus treatment by the practitioner The claim is made that renal tuberculosis is always secondary to a focus elsewhere in the body and that attention should be directed to the primary focus as well as the secondary Lidney focus in the diagnosis and treatment of the case

liter tudying these twenty cases Peacock is impressed with the following findings

The tubercle bacullus was found in the urine in 10 out of the 20 cases Hæmsturia which usually occurred early ap-

peared in 60 per cent The sexes are about equal | 1 males and o females

The a crage age was 26 the youngest case being 14 years of age the oldest 43

In 6 per cent of the cases the primary lesion was found outside the kidneys in the examination. In 60 per cent a bilateral infection was proven

In these bilateral cases he considers that the presence of one competent Lidney should be assured before nephrectomy is done because of the great danger of the remaining Lidney a destruction later

Deadenck, W 11 The Tests of Renal Function JII M Sec 9 4 tt 47 By Surg Gynec, & Obst.

C L BARNETT

The author gives a w ll-ordered review historical and technical of all the commonly recognized excretory and retention tests of renal functional

activity His conclusions are as follows I The phenoisulphonephthalem test is simpler than other functional tests and the drug is non

untaing and non toxic 2 The total amount of work of both kidneys is accurately shown by delay and diminution of

excretion 3 The relative effic ency of each Lidney is deter

mined by analysis of the segregated urines 4 The test is of great importance in cardiorenal

disease by indicating the organ most at fault 5 laluable prognostic data may be gathered by the application of this test

6. Absolute reliance should not be placed upon any functional renal test results hould be cor related with chinical findings. If W PLAGGINETER.

Leene F E and Pancoust II h. The Present Status of P₂ lography J im M A 10 4 lun, 5 3 By Surg Gree. & Obst.

In order to avoid untoward results of collargol spection the authors recomme d that the greatest care be used regaring asenses. The preteral Catheter should not exceed \o. 6 in size should be smooth of surface I hable and not stiletted. The catheter is inserted 20 cm and its further progress made slowly until the slightest buckling occurs wh n it is withdrawn I to 2 cm and the prinary outflow examined to determine if nossible the

presence or absence of pelvic dilatation The catheter is then withdrawn 10 cm and the miection made. If the unne is blood-stained the micetion is deferred for seven days. When an obstruction is encountered along the ur ter forcible attempts to overcome it are not made a smaller catheter is used and if its passage is likewise im peded collargol is injected and in the majority of

cases will find its way upward

The authors are opposed to simultaneous in section of both Lidneys The collargol is freshly prepared for each case and vanes from 5 to 10 per cent depending upon the thickness of the abdominal walls In making the 1 jection they use a so cent burette connected with a short tube and stopcock. To start the flow the burette is levated three f et but is immediately low ed and the fluid allowed to flow in at an elevati n of not more than one foot with a No 6 and two feet with a No g catheter The injection is discontinued when the column of collargol ceases to fall or the nationt experiences the slightest sensation of fullness in the Lidney region liter the picture is taken the col larged is drained off and the cath ter r moved When retention from angulation of the ur t due to ptosis is aspected the patient is required to remun in bed to be hours after the injection This facilitates free drainage of any ollargol that may remain in the pelvis of the Lidnes

Py lography sh uld be imployed o by after the usual method have failed. The authors are opposed to its use in depicting it rest up anomal es

and to its indi r m nat use in all types of renal

pathology The py lograph is useful in detecting the earlier stages of hydroniphrosa due to mechanical block ing of the ureter other than that caused by a sto e also in horseshoe and dy stopic kidney and i render ing a calculus sufficiently opaque to cast a per centible shadow when it was not detected by the simple runtgenoscopy alone HARRY A LEA S

Ferguson S. W Py Utla in Infancy If d I tral 10 4 i 105 ByS (spec & Obst

The author's report which is based on a senes of 45 cases, all of which occurre l fem les 19 at variance with some of the rece t art cles in which large numbers of cases occurring n boys have been reported.

In regard to the mode of feet n the th r believes the evidence points t an asc nding in fection from the urethra Th factors peaking for this are its frequency in the female its usual ppearance during the napkin period and the fact that in a large percentage of the cases the symptom

of pyelitis are preceded by definite intestinal dis-turbances and frequent motions

The author was able to obtain the usual history of intestinal disturbance in his series of care One of the important points brought out in this paper is the statement that no examination of a febrile child is complete when no cause for the rise in temperature is found without a microscopic examination of the urine Attention is also called to the fact that there are seldom any symptoms counting to an involvement of the unnary tract He believes that in some of the cases the incidence of the toxin falls on the nervous system, and he further states that head retraction and kerngs

sign may sometimes be present.

In the treatme t of these cases the author is in favor of the alkaline treatment relying generally on either sodium or potassium citrate When he administers urotromae he gives it in association with the acid phosphate of sodium or ammonia bensoate and diluted with large quantities of water The author does not enter into a detailed discussion of vaccine treatment as he believes vaccines are tarely necessary but may be of value in a case in which the condition has been unrecognized for a long time or in prol nged cases to supplement the alkaline treatment The histories of the two fatal cases in his series are given

HERMAN L. KRETSCHMER.

P nmock W J Chronic Py litts. Verthurst Med.
By Surg Gynec & Obst

19 4 The usual signs and symptoms for disgnosing non tubercular pychtia are discussed Pennock con siders the following findings essential for a diagnosis An approximately normal amo at of urine should be secured from other kidney with a normal specific gra sty from each with a normal urea excretion hthal in should appear at the normal time followed by a normal quantitive excretion in a giv a time a d the unne from one or both Lidneys should con

I I ic lavage with a strong solution of silver nitrate is ad oc ted in the treatment. One case of gonorrhoral py litts was ented in which a ten per cent collargol py lography proved sufficient to cradicate the infection C E BARRET

Viscolsey G Some Problem in th Surgery of the Lidney Am J Surg By Surg G ec & Obst

I a general sur ey of the entire fild of Lidney surgery licolsey arm a t several learly stated conclusions. The kid ey is injured ubpanetally more frequently than any other orga b t the cortical facerat on does ot cause rinary extra vasation This only accompanies rupture of the

pel is or calices Per 18 or Cauces

The treats cases pect the except those press to the great those in which there exist indection of the loc timary tract

As rule bullet wounds require peration inas

much as the peritoneal cavity is usually invaded Lumbar drainage is always advisable

Any other treatment than surgical is a failure in tuberculous of the kidney. The author believes that tuberculin is a waste of time and that climatic treatment gives an incommous mortality. He quotes Wildhold who reported its cases treated non surgically in Saitziritand. Only ten per cent lived one five that the control of the control

But few if any pecimens of healed tuberculous kidney are found while they should be not uncommon if spontaneous recovery is common

He does not believe that partial nephrectomy is ever permissible. The \ ray while now an indispensable adjunct

to diagnoss often fash to reveal stones. In one case a bladder stone one and one half inches in diameter was determined by Cystoscopy where the Vray fasled utterly to show a shadow. Differentiation between appendictal and renal

Differentiation between appendices and reasiconditions will depund largely on clinical symptoms. There is a tendency toward neglecting this phase of study. Evry diagnostic agency such as the \text{\text{ray}} and urnary studies should be resorted to before the operative procedure is determined upon

He has used the transverse incision of the Lidney for the removal of stone believing th t t damages

less kidney t saue than the longitudinal FRED R CHARLEON

Zondek, II Experiments in th Decapsulation of the kidney in Rabbits with Bichloride hephriti (b pennent iles Dekapsulation de herre bes sublimat regiteten k ninche) Zi k

p Med q 4 m By Zentralbi i d ges Char u Grenageb Harrison recommended nephrotomy for the decrease of intrarenal pressure and its segu læ but Edebohls substituted for it the less dangerous decapsulation This operation has been used not only in scarl t fever nephritis and puerpe al eclampsta but in acute forms f nephritis and in angioneurotic hamorrhage of the Lidneys A considerable number f authors ha e had excellent result from it Zondek used the method ex perimentally in Lidneys co gested by t rsion o pressure on the pedicle and found that decapsula tion of the acut ly swollen Lidney caused a decrease in the intrarenal p essure The discharge of drops of blood and serous fluid observed on decap ulation he called bleeding the cin nd lymphatics Then he undertook a tudy of the flect of decapsula tion on Lidneys not artificially swollen Bichloride seemed to him the best agent for producing th Lidney lesions as the sw lien condition of the lidnes produced by bichlorid poisons g is ery similar to that produced by the toxins f various bacteria - cholera bacillus colon bacillus i bercle bacillus pneumococcus and diphthena bacillus The highest dose was cg the lowest 2 mg of bichloride

As experimental and control animals he used rabbits with an average weight of 1 kg. He found on exturpating the Lidneys during life that the decap sulated Lidnes weighed 0 7 to 4 6 gms. more than the non decapsulated one The differences in weight are about proportional to the amount of bichloride in sected and the time of its action before the extirpa tion of the Lidneys Though the non-decapsulated Lidney contained more blood than normal its blood content was small as compared with that of the de capsulated Lidney The differences in weight disappeared in animals that died spontaneously when the motor that drives the blood into the Lidney was excluded Microscopic examination showed that increase in the size of the parenchyma cells was not responsible for the increase in weight. Thera peutically decapsulation of the Lidney not only de creases intrarenal pressure but also gives the best opportunity for a more complete irrigation of the kidney with blood and for abundant diuresis

diuresis Saxinger

Guerry L: Injury of the Vena Ca aduring Veph rectomy JSC If 1 9 4 576 By Surg Genec & Obst

In the removal of time large pyonephrotic tu more one of which contained a large calculus Guerry accidentally included a portion of the vena casa when the stump was champed in masse and secred Champs were applied to the breach in the casa which esturnly controlled the hemorrhage They were locested the secenth day and removed the control of the second of the control of the with the exception of the such as recovered and with the exception of the such as recovered and with the exception of the such as the control of the was present to indicate by orderns that a block had occurred in the ena case.

In re rewing the history the author found 20 cases in which 7 were controlled by the clamp method while the others had eithe ligatures or sutures anothed

A case from Peltesohn describes the suture of the ean cava follow ng the remo al of a kidney cancer. The patient reco ered, free from acute symptoms showing perf et permeability of the cava.

An interest in case as reported from Defanuay in which the enac a was entirely severed during the remov lef a tubercular ladiny. Ligatures were placed around both above and below the cava Edema while present was not marked. Collateral circulation occurred through the remo mammary reasons per lumbar and utern-ovarian (Robinson 3) reasons per lumbar and utern-ovarian (Robinson 3) reasons per lumbar and utern-ovarian (Robinson 3) reasons and the control of the control of the control of the control of the control ovariant control o

Butler F A. A Case of Primary Carcinoma of th Ureter w th Sciatica. Cl fis M B II 9 4 11 4B By Surg Gyace & Ob t

The patient a bool leeper aged 53 was admitted to the sanitanum October 14 1913 complaining of scattes. His father died 1 78 of cancer of the stomach. The patient had always had good health

until 10 months before when his present illness began with an attack of hamatura lasting one week Twelve months later he had a second similar attack. There was no pain passage of gravel or other symptoms suggesting renal colic months later the patient had incontinence of unne for rules of which an intra urethr I operation was performed in 1pril 1913 This was followed by painful prination and a swelling of the right testule it this time he was told there was sugar in his urine and a diabetic det was prescribed

The present back that I had been troubling him for five months There was a marked tenderness o er the right sacro that americation and constant pean in the region of the right sciatic notch tad ating into the right group and down the outer a next of the thigh wh re it was most severe and constant

There was no he tory of trauma. The turn had had a grainal opert and had become continually more severe requiring on an average t o grains of morphia daily. He was pule and macist d and in nuncteen months h i leer ased in weight from t 6 lbs to 125 lbs Il kin was lax and flaccid his tongue i revested a thi k dark bro n coat his breath was foul and his throat some what reddened the pur lists reaction wa normal. The temps at ure wast of an or to up a palet to to to restaration

0 to 15 There was no glandular enlargem ut and the h art and funcs we to normal. And me nal palpation revealed a term mouth rounded non-t adur timmus ble mass about three inches in diameter test to the right of the ombilious

The right testicle was ammetrically enlarged to three or four times th normal size Rectal exam

inali n was negali v

The urine couts ned a few hyaline casts and a slight tr c of albumen. There was no e idence of intestinal obstruction. The stools showed a bl Blood pressure was normal Hamoglobia 3 white count 11,000 red want 4 544 000 diff rentral mormal \ ray examination of the sacro slike region was perative se oldoscopy was pegal (vslos copy rev aled no abnormality of the Haider but on preter catheternation the right uret r was found to be obstructed 6 m from the onine Wash ings obtained by the injection of horacic acid solu tion were stained for tubercle bacille with negative Von Perguet test was negative The nhenobulphonephthalem test resulted in the appearance of the die from the left wet e in eight minutes but none from the right - t per ent was recovered the first hour and 45 per e at in two hours I preliminary diagnosis of sarcoma of the right ileum was made The hematura and right ureter betruc tion were explained as being due to infiltration of the ureter from without

\ preliminary operation was performed November and \ tumor palpated just posterior to and below the right ladney seeming to spread o er the anterior surface of the sacrum and tleum It was quite ex tenute and firm but not of bony consistence

A specimen was exused for examination. The pathologist reported it to be carrinomatous. The result of the operation and pathological

findings, added to the previous findings led to a diagnosis of primary carcinoma of the right unter

I he natient made a good recovery the abdominal incresion bealing far dis lain was markedly de creased, requiring only one quarter gram of morp daily On December 12th the right testicle was removed its involvement being regarded as meta static. The tumor was found to contain only normal to sue. The maternt declined rapidly and ded December 20th

latopes res aled an extensive mass of camnomatous tissue obliterat ng the central half of the right wreter infiltrating the proas and that muscles the postenor penton um the perses of the har plexus and the pentenal tissue. The right Lidney a satrophic and not in old The left kidney was normal. There were no metastases in any of the reams The proplestic tissue extended by continuity dong the right urrier within 6 cm of the blader onfice This tissue was separated by a strip of normal uniter 4 cm in length, from a mass of carcinomatous ties which had nitrely infiltrated th lowest 2 cm of the urrier and was in aguated to the extent of 1 mm into the bladder

The scare ty of literautre in the ubject is noted The seven cases collected by Mercalf and Safford are said to be the mly cases in literature to date. In the report of si cases of primary carcinoms of the ureter by Rundk Albarran Lvekker Heck-

taen Wassing and Blur Rokstanski and Halle the symptoms and findings were essentially similar to those a this case namely h maturia dissociated from pyuria, pain largely sacral, presence of tumor and unterral osbiruction. IL G. HARLE.

BLADDER, URETHRA, AND PENIS

Pile, J. B.: Perforation of the Blidder from Chronic Ulceration with Secondary Appendi-Itis. Practice over Lond to 4 cm of By Surg Gines & Obst

The author reports a rare case of perforation of the bladder complicated with appendicitis. The patient a deal mute 73 years old, was admitted

to the hospital on account of abdominal pain and a

lump in the right that flows.

In operation for appendicat was made on the day of adm suon. On incision of the pentoneum dense adhesions were found around the carcum and while these were being separated a small stream of clear find which proved subsequently t be urine issued from the wound. The appendix was found to be very large and in a mass of adhesions the stump was b ned and a large drainage tube : serred

The pat e t leved nine days aft r the operat on during which time he passed no water naturally cibeirusation being difficult.
The post mortem findings were Bladder deep

in the privis, thickened and contracted small starshaped calculus in the bladder which had caused ulceration through the mucous and muscular coats of the bladder its pentoneal covering being distended into a long pentoneal cyst which had reptured when the attempt was made to separate the adhesions.

GENITAL ORGANS

Corner E. M: Further Experiences of the Treat ment of Imperfectly Descended Testicles Am J M Sc 1914 cal St

By Surg Gyare & Obst.

Corner refers to his paper published in the British Medical Journal in June 1904 in which he discussed the advisability and value of the operations per formed for refer of undescended testicle and in this paper makes a summary of his experiences since then.

First he advises that there need be no particular burry to perform this operation except under certain conditions, viz. (i) the recognition of a hermia accompanying the imperfect descent or (i) the recognition that the imperfect descent is not

mere belatedness

He emphasizes the fact that in separating the from the cord in cases of hermia accompanying undescended testicle great care must be taken not to injure the blood vessels on account of the subsequent danger to the nutr tion of the restud-

He claims that it is not as a general rule imperative to operate before the age of seven years. He

says the operation may be done n one of three ways.

The accompanying hermal sac may be divided and stripped of the cord allowing the testicle to descend into the scrotum. Tay but the midest scrotal firstion is merely a prelude to failure anatomical or physiological Such as operation is called an orthodoplasty or an orchidopers.

2 The gland may be removed as advocated by many This line of treatment is especially indicated when the imperfect descr t is unilateral. It is

satisfactory in its afte results. The operation is an orchidectomy

3 Especially when the condution is bilateral, the gland may be returned to the abdomen intrapen toneally by internal secretion which the gland may ha e which will said the patient to develop sexual ch racter such as hair on the face male tonce male body nergy of mind and body is retuined Such an peration is an orchidocioplasty than the such as the peration is an orchidocioplasty.

In suitable cases the author seems to favor the returning of the test le to the abdomen and gives the following principles favoring this procedure r. It has been u ged on theoretical grounds that

the returned te t cles re proue to become malignant. The is not so

2 It has been urged that in the intra-abdominal position such common diseases as gonorrheeal orchitis endanger life. This is not so.

3 Apparently the intra abdominal position abolishes any external sceretion but preserves and encourages the internal sceretion an important point as it is in the internal secretion above that practically the whole value of the imperfectly descended testucle lies.

The author tabulates his results as follows Orchidopexy about to per cent orchidocelioplasty about to per cent orchidoplasty 40 per cent

He draws the conclusion that orchidopexy fails more frequently from atrophy of the glands than by

not retaining that gland in good position.

At birth and up to the age of about five years the case should be watched to decade whether the testicle is merely late in its descent or not. If a herma is seen to be present an operation should

be performed followed by an orchidoplasty
From seven to twenty years of age an operation
should be done whether a herma as present or not
an orchidoplasty an orchidectomy or an orchido-

celeplasty should be done
Abo etwenty years of age an orchidectomy should
be done
A C Storges

Lydston G F Tran plantation of a Testicle from the Dead to the Living Body \ Y M J 914 67 By Surg Gynec. & Obst.

Lydston lays down the proposition that vancous alan diseases notably personass are a promising field for the theripeutic administration of the ser gland hormone by any of implantation. He continues the decisions on the proposition that and quantity of internal script characteristic of quality and quantity of internal script characteristic of the proposition of the proposition of the proposition of the of the proposition of the proposition of the proposition of the of the proposition of the proposition of the proposition of the of the proposition of the propo

He states that a paper will shortly appear in the we York Medical Journal in which he will suggest that artenosclerous chronic renal disease diabetes tuberculosis and e en carcinoma may be aided by

this kind of a transplantation

He cates a case in which he transplanted an entire testicle into the scrotum of a man who had large patches of psonasis on his back and arm. This testicle was obtained from a dead man thirty hours after death and transplanted ten hours afterward The lesions on the arm and hack disappeared at the end of eight days. The author wishes to submit without comment.

this buef prel minary report of the result of the primary or initial dose of sex hormone and promises a more complete discussion in the future

A. C. STOKES.

SURGERY OF THE EYE AND CAR

EYE

Fowler W W Ophthalmia Neonatorum Ter If You 914, xxii, 737 By Surg Gynec & Obst.

The author refers only to ophthalmia peopstorum of Gram negative genococci. The disease break out three to five days after birth if it breaks out after that time it is probably due to extragential influences.

Ife urges that care be used in opening the child see of sor examination as the pus under pressure may spurt into the physician access with dire results. The most leared complication is ulcer of the cornea.

The most leared complication is ulcer of the cornea with subsequent perforation and its severe effects on the eye frequently result in blindness

Statistics show that the instillation of 2 per cent silver nitrate in the eye at birth positively cuts this

disease to the minimum

The author objects to the use of borace and because of its irritating and properties matead he uses a one per cent biborate of soda solution. He installs to per cent argy of every 15 munices for 16 to 48 hours. He condemns the rough handling of the lids as having a tendency to start fattal sicers. He also opposes the use of hot and cold applications as he thinks they do no good and may do harm

S'S QUITTE

Holloway T B: Peripheral Pigm nation of the Cornea Associated with Symptoms Simulating Multiple Scierosis. Am J M S q 4 1 m 335

By Surg Gynec & Obst

The author reports a case of peripheral p gmenta tion of each cornea the amplonis of the pullent

warranting a diagnosis of multiple sclerosis. He cates other cases by hayser 1902. Heisher 1909. Volsch 1911.

Holloway had his pat cat thoroughly sammed for a probable cause of the pigmentation in conjunction with his symptom. His conjectures cirrhouss of the liver and a tremor affecting the extremities and head—may be an incent is to the investigator to look for a perspheral pigmentation of the corner.

Harkness, C. A. Con erg at Squint and Its Treatment Cli ique Chicago, 9 4 xxx 44 By burg. Gynec & Obst.

Convergent squint usually appears in childhood The causes are weakening of the external rectus due to debilitating disease accirrect att chimest if muscles perspheral paralys central lesions and amblyopus

Treatment is divided into two classes—operative and non operative Of the operative either simple

tenotomy of the internal rectus or tenotomy with advancement of the external rectus is to be preferred. Of the non-operative methods e rly and correct placing of glasses usually cures. The use of passes and exercising of muscles alone is to be condemned.

In conclusion Harkness emphasizes the importance of emdicating the false impression that children all outgross equant without proper treatment Early wearing of correctly fitted glasses will not only correct but all save vision Surpical means should be used as a last resort

S S Derriva

Mosher II P Th Orbital approach to the Ca e nous Sinus. Lary purele q 4, xx on By Surg Gynec & Obst

With this plan of operation, the globe of the eye is removed and the orbit cleaned out. The orbital mic aftery is then tied off the personteum cleaned from the posterior half of the floor of the orbit and the groove recognized in which the superior musillary nerve runs The next step is to separate the peno teum of the orbital surface of the great wing of the benoid and recognize the outer end I the sp dal fissure With the chisel placed vertically a cut is made through the orbital plate of the great wing of the sphenoid from the notch of the superior maxillary nerve to the outer end of the spheroidal fissure above. The bone here is thin and asily removed With the rongour or the hisel an enlarge ment is made outward one and one half c numeters and a window is made flush with the floor of the or (Important) The dura is then elevated from the floor of the mubile losss, working from the outer

boundary of the bone window i ward.

On the cadare the dura can be separated from
the outer w. If of the ca errous anisa for a distance
back sands of about a c. (parter — then separate
a parter of the care of the care of the care of the care
anisa the level of the bottom of the bone-sando.
Abo c and beyond this point of additions between
the outer w. If of the sa us and dura the two can be
separated? r about a continueter further one
the opathalism drausent the separation. If an
attempt is made to separate the inner. If of the
at us from the outer wall of the sparation one the
fam' may have to be used to tart the pe stime bot
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the size of the context of the size of the context of the
procedure. One ce timeter the bong c posed a
bindt-posited kinds as placed games the outer and
of the size in a level the he foo f the bit

The blade is carried forward to the body of the spheno d until it is stopped by bone. This opens the wall of the sinus for one centimeter and the opening is well below the internal caround A small currite could then be carried back through the whole body of the suns the distance being about three to four and one fourth inchts from the mm of the orbit.

S S QUITTUE

EAR

Coates, G M Bacterins in the Treatment of D seases of the Ear Lary g scape 1914 xm 677 By Sung Cynec & Obst.

Since first brought out by Wright bayers a here yo had been used in attempts to cure disease of the sar just as it has been titted for every other aliment of infectious origin. A résumé of the voit done in this direction during the past four years as shown by reports of Levy Graef and Wynkoop Dwyter Still MacDonald Huvelle Christi. Sherman West McKernon and Kolmer and Weston mois and the control of the contr

The author-gives his was experience as follows driving his cases undo active and chrome and again into those treated with autogenous and with mured commercial bacterias. In the former class there were five cases of acute suppu ative cottis media and all cleared up promptly with autogenous vacances, allhough the wee marked masted symptoms usen that the transport of the contract of

convalenced

In chromic middle support in n five cases
we to treated with aut genous or nee with three
paperarily cared and two improved ha att mpt
apparating the control of the control
mercial bacterin of the cond that were made
as hard an possibil in order to see what could be
complished by the physician who was with the
illustratory assistance. Therefore no cultures we
made to determine the organism no other treatment
below that the dosage was regulated by clinical
other attention.

The Social Service Department for the Hospital insured regula attendance for traitment and for verification of results. There were no services much plications observed and but little local or general reaction as a rule. Treatment is were go and from two to four day intervols and the dosage was usually doubled at the second and third at 15 15.

three cases were treated and of these 56 were apparently cared 1 e the ears became dry and remained so up to the time of the report varying periods up to aim months Two cases were improved only and five were junisatisfactory. In this series of \$0, cases 17 were acute or subscute and 46 were were applied to the contraction of the contraction of the ment short of the radical operation. It was in the latter class that the 5 failures were recorded.

The author concludes that while there is yet much work to be done in this line bacterin therapy in diseases of the ear is a distinct addition to the arma mentarium of the otologist for combating these diseases.

Lutz, S. II llow the Patient Can Help Himself in Cases of Chronic Catarrhai Orlits Media ins Otal Rh nol & La ; gol 1914 xxm 177 By burg Gjacc. & Obst.

In the study and tre tment of cases of chronic catarrhal otitis media it is necessary to bear in mind the importance of a consideration in detail of the general condition of the patient, as well as the local condition of the nose and nasonbaryns.

It is of paramount importance to instruct these patients how to clear the nasopharynx and blow the nose without causing a rarefaction or pressure of the air in the nasopharynx and thus cause a disturbance of the air pressure on the membrana tympani ELLES J PATTERSON

Wilson W Two Unusual Cases of Mastolditis in Children Bu M J 0 4, n 398 By Surg Gynet & Obst.

The case is reported of a child two years of age who had a sudden att cl. of mastion pain with slight codema above and beh nd the aurocle normal membrans tyrapan but with no marked constitutional symptoms. At peration three days after the onset a subpensited aboress was found commented to the control of t

Another child ght years of age recovering from persuass dreelped shight unlateral manaded codes as there was thin wat ry pus in the external meature with no pe foration in the membrana tym piant though the external canal was sodden. There were no severe constitutional symptoms and no indications of it tracerebral involvement to operation no pus was found at the astrumor middle operation and pus was found after a transition of the persuassion of the same and the persuassion of the persu

perforation in the membana tympani e er de

Th autho s theory is that the whole tract from the memb an 13 mpans to the dura was a multane

SURGERY OF THE EYE AND EAR

EYE

Fowler W W: Ophthalmia Neonatorum Tr M Neus 1914 xxm 137 By Surg Gynce & Obst. The author refers only to ophthalmia neonatorum

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He urges that care be used in opening the child's eyes for examination as the pus under pressure may spurt into the physician's eyes with dire results

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Statistics show that the instillation of 2 per cent silver mirate in the eye at birth positively cuts this disease to the minimum

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Holloway T B Peripheral Pigmentation of the Cornea Associated with Symptoma Simulating Valling Sciences Associated with Symptoma Simulating Valling Sciences Associated William Sciences Science Structure of the Author reports a case of peripheral pigments

The author reports a case of perspacers pigments ton of each cornes the jumptoms of the patte t warrants g a diagnosis of multiple scienoss. He cites other cases by Asjeer 902 Tele her 1909 Volsch 1911
Ilolloway had his patient thoroughly examined

for a probable cause of the pigmentatio con junction with his symptoms. It is conjectures currhous of the liv r and a tremor affecting the extremit and head—may be an incentic to the investigator to look fo a peripheral pigmentation of the cornea.

Harkness, C. A. Con eeg at Squint, and Its Treatm at Ci q Chicago, 9 4 xx 44 By Surg Gynec & Obst.

Convergent squart usually appears in childhood to debilitati g disease neornect trachment of muscles peripheral paralysis central lesions and amblyopia.

Treatment is divided int to classes—operati e and non-operative. Of the operati e the simple

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In conclusion Harkness emphasizes the importance of eradicating the false impression that children will outgrow square without proper treatment. Early wearing of correctly fitted glasses will not only correct but will save vision sorgical means should be used as a last resort S. S. Quirrus.

Mosher H P: The Orbital Approach to the Ca ernous Sinu Lary tostope 10 4 km 709
By Surg Gynec & Obst

With this plan of operation the globe of the eje is removed and the orbit cleaned out. The ophthal mic artery is then tied off, the periosteum leaned from the posterior half of the floor of the orbit and the groove recognized in which the superior maxillary nerve runs The next step is to separate the penosteum of the orbital surface of the great wing of the sphenoid and recognize the outer end of the sphenor dal fissure With the chisel placed vertically & cut is made through the orbital plate of the great wing of the sphenoid from the notch of the superior maxillary nerve to the outer end of the sphenoidal fissure above The bone here is the and easily removed With the rongeur or the chisel an e large ment is made outward one and one half centimeters, and a window is m de flush with the floor of the or bit (Important) The dura is then elevated from the floor of the middle fossa, working from the outer boundary of the bone-window inward

On the cade r the dura can be separated from the outer wall of the cast roots saums for a dastance backwards of about a ce timeter—then separation becomes hard. If the elevation is praisated in pan head opening a toru in the outer wall of its sums at the le of of the hotton of the hone sundo About and beyond that point a centimeter latther where the ophthalms of was fithe fifth mere from the practice of 1 do that a centimeter latther where the ophthalms of was fithe fifth mere from the sames from the outer wall of the sames from the outer wall of its about the sames from the outer wall of its about the sames from the outer wall of the sames from the outer wall of the spin out boom the hands of the same from the wall of the same from the wall of the same from those that the exposure procedure. One centimeter then be g posed by appointed time as placed again the outer wall of the same of a latter than be gooded of the promoted of the same on a level with the foot of the obstite the outer wall of the same on a level with the foot of the obstite the outer wall of the same on a level with the foot of the obstite the courts wall of the same on a level with the foot of the obstite the courts wall of the same on a level with the foot of the obstite the courts wall of the same on a level with the foot of the obstite the courts wall of the same on a level with the foot of the obstite the courts wall of the same on a level with the foot of the obstite the courts wall of the same on a level with the foot of the obstite the court wall of the same on a level with the foot of the obstite the courts wall of the same on a level with the foot of the obstite the courts wall of the same on a level with the foot of the obstite the courts wall of the same on a level with the foot of the obstite the courts wall of the same of the courts wall of the sa

had been unconscious for several by vomiting headache and desired

Upon admission the part was a feel restless There was a feel the left ear the posterior cand with There was no nystagmus, 2.d pupuls were equal and eye groups area. temperature was 974 pulse 62 complained of cerebration was now a puncture was made and the bood come was

No brain abscess could be located or miles so a radical mastoid was done. For temperature was tos pube tro these ve of the left external rectus muscle proces and upper hd beginning optic news severe headache and at times uncorne

The dura was exposed over the surand two ounces of thick foul pus was a brain Linie The recovery was me

A study of a radiograph taken ce my operation with gauge in the abserts care 1 compared with the first radiogra, with experience in interpreting stereous a graphs of the mastord brain abores at , 102-Eurs] lange

Variations of Spender McBean G M Otol Rk sol & Long Disease. 1 By Surg, Grand a see XXIII 4 9

The points taken into consideration by in studying the atypical forms of scene in studying the majority of the sinus (1, 5) disease are the relations of the sinus (1, 5) and meninges (2) to the hypophysis the cavernous sinus and nternal care to the cran al nerves (5) to the other and (6) to the nasopharynx

These structures become implicated 1 ing ways

I By e tension of the infection

2 By exposure by necross of its boy to chronic suppuration

3 By invasion of the sinus from cavity - as by p tustary tumors 4 Irritation or paralysis of the ope

oculi or trigeminus ners s or the carred s Association with the ethmoid in the chronic infection polyp atrophic rhat

These cond tions re ill strated by orts from a study of wh ch the suther

follow ng conclusio I be phenoidal disease is much more come to

was forme ly behe ed possible 2 With more careful postnassi era capecially with the asophary ngoscope and

With the routine use of the prole catheter more case will be recognized theter more case 4. The sphenoid is as a rule the taken of

nasal sinuses to c theterize

SURGERY OF THE NOSE, THROAT, AND MOUTH

NOSE

ingais, E. F : Nasopharyngeal Myosarcoma; Several Operations and Final Spontaneous Recovery A s. Otel Rk of & Lary gol, 9 4, 22m 373
By Surg Gynec & Obst.

The author reports the case of a boy thuteen years of age with a growth filling the nasopharyax and right name, so that the sentum was crowded over obstructing the left nostril. The trouble was of three months duration. By repeated operation the growth was removed and the pathological report was small-celled myxosarcoms. The growth was removed at various times by different methods dur ing a period of several years

Fourteen years later the tumor increased in size until the right cheek became very prominent, the vision was destroyed in the right eye and both naces were occluded After two years the tumor began to atrophy spontaneously until the nares became free, although the prominence of the cheek and also the blindness of the right eye continued

RATES | PATTLESO

Lothrop, O A The Use of a Section of the Scapula in Correction of a Nasal Deformity Ban a M & S J 9 4, circ 303

By Surg Gymee & Obst

The author describes this method of correcting with a strip of bone from the scapula depressions of the nasal bridge with destruction of the support

ing cartilage when the tip of the nose is depressed The technique of operation is as follows Under ether anasthesia the submucous resection is done in the usual way in order to remove all obstruction to breathing. The patient is then turned on his left chest and through a three and one half inch in casion made over the vert bral border of the left scanula - cutting the muscles and being careful not to denude the bone of its penosteal covering a strip of bone two inches long and about one fourth inch wide is removed from the free border with bone-cutting forceps and wrapped in wet sterile gauze Through an incision in the unde surface of the tip of the nose a subdermal passage is made in the nose-bridge extending to the distal extremity of the pasal bones where the periosteum is cut and elevated and the masal bones ground down with a rasp. The graft is inserted under the periost um until the end reaches the frontal bone and slight pressure is applied over the graft at its frontal end.

us order to hold it pressed against the pasal bones and stretch the contracting soft tissues of the tip CLIEN I PATTERSON

THROAT

Hitschier W A.: Not the Faucial but th Lingual Tonail Ps If J 1914 Pm 866 By Surg Gynec & Obst

Disease of the lingual tonail is characterised by constant clearing of the throat and a persistent dry backing cough, which is increased by physical ex haustion overuse of the voice or dorsal decubitus. and should be differentiated from other diseases of the respiratory tract ELLEN J PATTERSON

Lynch, R. C. New Technique for the Removal of Intrinsic Growths of the Larynz. Laryng scope

By Surg Gynec. & Obst.

The author has modified the Killian auspeasion laryngoscope and devised instruments by means of which he can dissect accurately heate bleeding points cover raw surfaces by sutures and do plastic work in the larvax with case and accuracy

For prolonged procedures and in children he pre fers general anasthesia and for local anasthesis be uses cocaine in a o per cent solution dropped direct ly into the larynz and traches. With the parts per feetly quiet he proceeds to dissect out the growth with angular knives removing it in one mass with out disturbing the integrity of the cartilaginous box thus avoiding the danger of secondary stenosis and lessening the chance of recurrence in malignant cases

He reports several cases of papilloms and one epithelioma removed by this method in which no recurrence has occurred as yet the your being restored immediately afte the operation

ELIZH T PATTERSO

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Davis E. D. The Importance of a very Thoro gb Learningtion in Cases of Foreign Body Alleged to Ha e Been Swalloned or Inhaled. Land Lond 19 4 class 493 By Sary Gyace, & Olat

The author cites eight cases to show the serious results such as bronchectasis, pneumonis and death, which may result from delay or f ilure to recognize the impaction of a foreign body in the air r food passages To a old these sen u results, a thorough and adeq at examination should be made with the aid of th A ray and suspension apparatus OTTO M ROTT

OF CURRENT LITERATURE BIBLIOGRAPHY

GENERAL SURGERY

SURGICAL TECHNIQUE

Norr. -- The hold face figures in brackets t the right of a reference indicate the page of this usue on which an abstract of the article referred to may be found

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SURGERY OF THE HEAD AND NECK

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